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- We will invoice items at the current price at the time of shipment
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Merritt's *Serving the trade
 since 1938*

Our entire staff is here to help you!...

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2...Reference Books

AMERICAN CLOCKS -An Introduction

by Tom Spittler (Soft cover- 130 pages)

♦ Based on Mr. Spittler's popular series of articles published in "Clocks" magazine, the subject of American clocks manufactured from Colonial days to 1900 is explored and presented in a format that is easily understood by even novice clock enthusiasts.

♦ Includes sections on manufacturers and how clocks work

#B-284... \$25.95



CLOCK & WATCHMAKERS OF AMERICA by

Name & by Place

by Sonya Spittler, Thomas Spittler &

Chris Bailey (Hard cover- 596 pages) ♦ Latest, most up-to-date edition of the popular reference volume which the authors have been compiling for almost twenty years

♦ Now includes over 36,400 entries making it the most comprehensive and accurate listing of American clock and watchmakers in print!

#B-285... \$68.50



AMERICAN CLOCKMAKERS & WATCHMAKERS

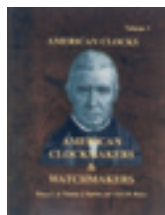
by Sonya L. & Thomas J. Spittler, & Chris Bailey

(Hard cover, 336 pages) **Compiles an overwhelming amount of previously unpublished material on American clock and watch makers.**

♦ An impressive listing of thousands of craftsmen, arranged logically in an easy-to-use format. Over 16,000 clockmakers and watchmakers are listed in alphabetical order with entries of pertinent information.

You will quickly appreciate the value of this volume!

#B-205... \$45.95



Clock Decorating Stencils of Mid-19th Century

Connecticut Book 2: More Clock Decorating Stencils of Mid-19th Century Connecticut (Soft cover original edition... 64 pages)

A collection from the working stencils of master stenciller William B. Fenn (1813-1890), compiled by Chris Bailey.

♦ Mr. Fenn used these designs on clock tablets for Seth Thomas, Silas Hoadley, Terry & Andrews, J.C. Brown, Brewster & Ingrahams, and many other notable clockmakers.

#B-222... \$12.00



ANSONIA CLOCK COMPANY 1894-1895 CATALOG

REPRINT (Soft cover-168 pages)

♦ Ansonia's listing of clocks plus statue clocks, statues and candelabra

#B-142... \$16.75



HISTORY of the AMERICAN CLOCK BUSINESS and LIFE OF CHAUNCEY JEROME

(Soft cover-144 pages)

♦ A 2001 reprint of the 1860 Chauncey Jerome autobiography. Originally published eight years before Jerome's death, this book is an important glimpse of the fledgling American clock industry of the 1800's, from the introduction of the Pillar & Scroll clock to the Civil War.

#B-255... \$7.50



Reference Books ...3

Revised and enlarged...The Longcase Clock Reference Book
The popular two volume hardbound set by John Robey, now with color images and a wealth of additional information.

Mr. Robey explores all aspects of the longcase clock from the 17th century to the Victorian era: now illustrated with over 2500 photographs, diagrams, charts and tables, this set has become an indispensable reference resource for all collectors and horologists.

♦ **Volume 1** (now 432 pages)... Examines the clock trade, its origins and organization, along with an analysis of construction techniques. Chapters detail various types of movements and their unique variations.

♦ **Volume 2** (now 496 pages)... Considers the movements used with painted-dial clocks and their makers. Simple, rural 30-hour clocks and more fashionably elaborate clocks are explored in detail, as well as several very unusual longcase clocks. Longcase clocks made for special purposes are included along with those with wooden movements.

The book is very practical: it explores topics stylistically and documents how clock components were "actually made".

"...undoubtedly the best book ever written on the longcase clock..." Bulletin of the N.A.W.C.C.

#B-289... Sold only as a set ...\$199.50

www.merritts.com

Order 24 hours a day!



The Art of the Painted Clock Dial... A Unique British Folk Art by M. F. Tennant (Hard cover, 351 pages)

A virtual textbook on the art and history of the painted dial! Over 700 illustrations: over 500 in color!

♦ In short, this is the most complete book on the early history of painted grandfather clock dials to be compiled.

♦ Investigates the development of painted dial elements, regional British dial styles, and distinguishing dial styles.

♦ Immensely popular and well received, this volume is destined to become an essential reference work for horologists and collectors! **#B-275... \$121.75**



150 Years of Electric Horology by E. G. Krum & W. F. Keller (Soft cover, 101 pages) A truly unique and useful reference book with a wealth of long overlooked information concerning more than 60 manufacturers of electric clocks. It is loaded with history, photographs, and other important information.

#B-168...\$16.50



Railroad Timekeeping Edited by James L. Hernick

(Soft cover, 68 pages) A comprehensive look at watches, clocks and electric horology: important facets of American railroad history. Fully illustrated with marvelous examples of the instruments used to keep the 19th and 20th Century railroads running on time!

#B-198... \$14.50



Chelsea Clocks Reprint of the only known copy of the Chelsea January 1917 Catalog in existence!

(Soft cover-64 pages) This reprint contains a large wealth of information concerning Chelsea clocks offered at the beginning of World War I. Included is everything from alarms to wall clocks! **#B-206... \$10.50**

4...Reference Books

RESTORING MUSIC BOXES AND CLOCKS

by Arthur W. J. G. Ord-Hume (Hard cover- 368 pages)

Covers cylinder and disk musical boxes, singing birds, carillon, organ and dulcimer clocks: 364 illustrations

#B-236... \$79.50

CLOCKMAKERS AND WATCHMAKERS OF SCOTLAND

by Donald Whyte (Hard cover-336 pages)

Based on the detailed, original research of over 8,000 clockmakers, watchmakers, cabinetmakers, dialmakers, suppliers, apprentices and journeymen who were involved in Scottish clock trade from 1453 to 1900. The text is enhanced with 280 illustrations and maps.

#B-237... \$79.50

THE MUSICAL CLOCK: Musical and Automaton Clocks and Watches by Arthur W. J. G. Ord-Hume

(Hard cover-356 pages) Chronicles the history and development of musical clocks, their mechanisms, and the music played. The text is accompanied by over 450 illustrations and diagrams.

#B-238... \$99.50

WEIGHT-DRIVEN DUTCH CLOCKS and THEIR JAPANESE CONNECTIONS

by ERNEST L. EDWARDES

(Hard cover-206 pages)

Tracks the history and development of Dutch and Japanese domestic clocks with informational text and over 140 illustrations and diagrams.

#B-240... \$59.50

WALES CLOCKS and CLOCKMAKERS

by WILLIAM LINNARD (Hard cover-272 pages)

A comprehensive reference book that explores the clock industry in Wales from medieval times through the eighteenth and nineteenth centuries. A major part of this book is the illustrated, alphabetical list of well over 2000 individual Welsh clockmakers and their clocks. The first book ever on Welsh clocks, this publication incorporates the latest research and a wealth of previously unpublished material.

#B-241... \$69.50

LANTERN CLOCKS and THEIR MAKERS

by Brian Loomes (Hard cover- 528 pages)

A detailed survey investigating the development of the lantern clock in Great Britain from the 16th to the 18th centuries.

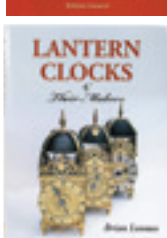
Mr. Loomes also surveys lantern clocks as they were used for posted-movement long case clocks as well as hanging wall clocks.

- ♦ Beautifully illustrated with detailed color and black/white photographs. More than 400 clocks are pictured using over 1,150 photographs. Many of the early clocks are illustrated in this text for the first time!

Also included in the text:

- ♦ Construction and stylistic features
- ♦ Brass founder's casting marks ♦ A biographical section for 1000 clockmakers

#B-270... \$119.50



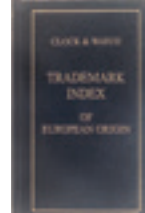
Reference Books ...5

GUSTAV BECKER STORY

Revised edition by Karl Kochmann
(Soft cover, 112 pages)

Becker's beautifully designed, industrially crafted clocks are known world-wide and were marketed around the world until World War II. This book records the history of the man, his clocks, and includes trademark indices, circa 1920 prices and catalog excerpts.

#B-149... \$13.95



LENZKIRCH - WINTERHALDER & HOFMEIER CLOCKS

by Karl Kochmann (Soft cover, 138 pages) Formerly known under the title European Industrialized Clockmaking, this book contains photographs and a wealth of archival information on almost 200 years of marvelous clockmaking by the Lenzkirch and Winterhalder-Hofmeier clock companies.

#B-186... \$14.50

CLOCK & WATCH TRADEMARK INDEX of EUROPEAN ORIGIN

by Karl Kochmann (Hard cover, 989 pages) **An archive of over 35,000 details of trademarks and wordmarks obtained from a multitude of sources and compiled into a valuable resource!**

♦ For years, Mr. Kochmann collected trademarks and related information from Switzerland, England, Germany, France, and Austria... now it is all presented here in a highly useful reference volume for watch and clock collectors, hobbyists and historians.

#B-212... \$37.50

"Guides to Identification and Prices" by Tran Duy Ly

Highly informative and comprehensive guides which use exact manufacturer illustrations, descriptions, specifications and prices from original catalogs. These illustrations, direct from the time of manufacture, give you an unquestionable picture of your clock on the day it left the factory! Drawings and photographs show original style hands, glasses, pendulums, finials and other important case features, along with specific movement information and current suggested prices for mint examples. All guides are organized so clocks can be found easily and quickly.

American Clocks-Volume I (Hard cover, 320 pages)

This book illustrates a wide variety of American clocks produced by nineteen different companies from Ansonia to Welch! Mr. Ly has included everything from 30-hour spring-driven clocks to elaborate pinwheel weight-driven clocks. A history of the Ansonia Clock Co. is included.

#B-144... \$56.50



American Clocks, Volume 3 (Hard cover, 352 pages)

This invaluable volume contains an entirely new wealth of knowledge not included in Volumes 1 or 2.

Arranged by type, clocks are presented using clear, detailed photographs. Movement and case details are frequently included along with descriptions, specifications, prices and original catalog art. Interesting background information about each manufacturer is also included.

The American Clocks series has become the authoritative source for information and prices for the vast array of American clocks included in these volumes.

#B-215... \$61.50

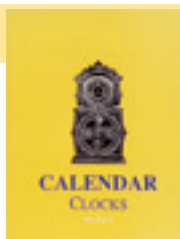


6...Reference Books

More "Guides to Identification & Prices" by Tran Duy Ly

Calendar Clocks (Hard cover, 360 pages)

Features a wealth of previously unpublished photographs and information on 45 companies and inventors! Of special interest is the collection of detailed mechanism drawings rendered by the inventors. This is a major asset in identification, carrying out intricate repairs, and fabricating missing parts. Movements, labels and calendar mechanisms are well illustrated. **#B-171... \$74.50**



Waterbury Clocks and Watches (Hard cover, 584 pages)

A newly revised, improved, 2001 edition of Arlington Book Company's Waterbury Clock Co. price guide with a new, complete history of the Waterbury Clock Company authored by Chris Bailey, updated tips section with invaluable information for collectors and a current price update for over 2200 Waterbury clocks and watches **#B-210... \$72.95**



Sessions Clocks (Hard cover, 336 pages)

The newest and final book on Connecticut manufactured clocks by Tran Duy Ly! This volume includes all of the known Sessions clocks manufactured between 1903 and 1968. Illustrations from period Sessions catalogs have been digitally enhanced to give you an exceptional view of these classic clocks. The scope of the clocks represented is vast... this may be the ultimate source of information on Sessions clocks! **#B-211... \$51.50**



Longcase Clocks and Standing Regulators:

Part 1 ...Machine Made Clocks (Hard cover, 504 pages)

This is the first published guide to the King of Clocks, the hall clock, and its companion, the standing regulator. The information herein gives you tremendous insight into rare and complex clocks of over 50 different manufacturers. **#B-181 ... \$72.50**



Seth Thomas Volume 1 (Hard cover, 576 pages)

Revised and expanded 3rd Edition with over 1888 illustrations and photographs! This new edition will exceed your most optimistic expectations! It is the most definitive work on Seth Thomas clocks ever published!

- ♦ Featured sections encompass Seth Thomas clock history, dating Seth Thomas clocks, Seth Thomas movements, Plymouth Clocks, Seth Thomas & Sons clocks plus alarms and watches.

#B-187... \$79.50



Seth Thomas Volume 2 (Hard cover, 576 pages)

Expands on the wealth of information found in Volume 1 with all new material! A unique volume with additional information and a treasury of illustrations!

- ♦ Featured clock sections include Seth Thomas mantel, ship's bell and ship chronometers, statuettes and candlesticks, street clocks and tower clocks. Volume 2 also includes Seth Thomas watches and wrist watches.
- ♦ Other sections cover Seth Thomas movements, Plymouth clocks and Seth Thomas & Sons clocks.

#B-235 ...\$74.50



Reference Books ...7



More "Guides to Identification & Prices" by Tran Duy Ly **Gilbert Clocks** (Hard cover, 448 pages)

One of the latest books in Mr. Ly's long line of high quality identification and price guides. This is the first book to combine Gilbert catalogs and actual photographs into a single definitive source. The 448 pages are divided into twenty-nine sections with almost 1700 photographs. They fully illustrate the productivity of the Wm. L. Gilbert Clock Company from 1828 to 1964.

#B-199... \$75.50



Gilbert Clocks Supplement (Hard cover, 113 pages)

Enhances the information found in Mr. Ly's previous volume, Gilbert Clocks and Watches, with previously unpublished photographs and information.

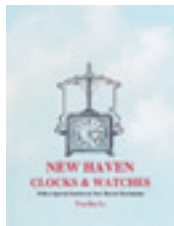
#B-204... \$32.00



New Haven Clocks and Watches: With a Special Section On New Haven Movements (Hard cover, 520 pages)

This is the first book to combine most New Haven catalogs with photographs of fine clocks from private collections. A current, supplementary price guide, compiled by America's top horologists, provides professional estimates for New Haven clocks in original, mint condition.

#B-195... \$59.50



Kroeber Clocks: American & Imported (Hard cover, 584 pages)

A highly informative listing of over 2000 quality illustrations and photographs show original style hands, glasses, pendulums, finials and other important case features, along with specific movement information and current suggested prices for mint examples.

#B-249... \$74.50



Ansonia Clocks Second Edition (Hard cover, 752 pages)

Recently expanded to more than 750 pages with over 3000 illustrations and photographs! This new edition contains all the information that made the first edition the foremost source of information on Ansonia clocks. The second edition is enhanced with many additional clocks, plus a section on side pieces, top ornaments, and candlesticks, which allows you to trace the evolution of clock ornamentation.

#B-201 ... \$91.50



HERSCHEDE CLOCKS (Soft cover, 159 pages) **Reprint of selections from 4 catalogs circa 1904-1927!**

- ♦ Featuring Herschede's renowned line of hall, mantel and boudoir clocks.
- ♦ Lavishly illustrated, this catalog reprint is produced with much of the feel of an original edition!

#B-153... \$12.75



Clockmakers of Montgomery County 1740-1850

by Bruce Ross Forman (Hard cover, 309 pages)

Represents 13 years of research tracing the early clockmaking industry of Montgomery County, and its decline. A biographical sketch is included for all watch and clockmakers who worked in the county before 1850, along with a look at the cases, dials, and movements. Hundreds of photographs are provided.

#B-207... \$49.95

8...Repair Books

INFORMATIVE, EASY-TO-FOLLOW REPAIR GUIDES

by **Steven G. Conover**,
the editor of the "Clockmaker's Newsletter"
All fully illustrated and clearly written!

Chime Clock Repair (Spiral bound, 126 pages)

The perfect repair guide for those who restore, or want to learn more about chime mechanisms. This guide includes chapters on the basics of chiming movements, common repair problems, and an in-depth look at eighteen common American and European chime clocks.

#B-169... \$25.50

Building an American Clock Movement

(Spiral bound soft cover, 84 pages) An easy-to-follow guide to making an American-style shelf clock movement with a 6" drop. This is a perfect project for the first-time clockmaker!

#B-182...\$24.75

Striking Clock Repair Guide (Spiral bound soft cover, 90 pages) A virtual textbook on American, English, French, and German striking mechanisms. This guide is concisely written and fully illustrated with numerous line drawings and photographs. This book is a must for repairmen!

#B-184... \$21.50

Clock Repair Basics (Spiral bound soft cover, 92 pages)

Mr. Conover's guide teaches you time tested repair procedures and formulas actually used by experienced clockmakers.

The topics included comprise the basic repairs facing the beginner; repairs that are standard for an experienced repairman. Each topic, from letting down mainsprings to the assembly of movements, is presented as though you were personally being taught in a workshop.

Chapters on electric clocks and five other representative starter clocks are also included. This book is clearly a must have book for those interested in mastering basic clock repair procedures.

#B-192... \$22.50

Clock Repair Skills (Spiral bound soft cover, 92 pages)

Mr. Conover's latest guide is an intermediate level book which acts as a follow-up "course" on repair skills. Learn to repivot arbors, repair lantern pinions and recoil escapements, replace teeth, make bushings and a rack & snail, repair moon dials and hands. Bell strike main wheels, grandfather chainwheels and depth tool use are also covered in detail.

#B-224... \$23.50

How to Repair Herschede Tubular Bell Clocks

Revised Expanded 2nd Edition (Spiral bound soft cover, 116 pages) This guide contains a wealth of information on Herschede's movements. These complex clock works are clearly illustrated with drawings, and repair procedures are lucidly outlined. Procedures, etc., cover both the Herschede 5 and 9-tube movements.

#B-172 ... \$27.50



Repair Books...9

MORE EASY-TO-FOLLOW REPAIR GUIDES

by Steven G. Conover

How to Repair 20 American Clocks

(Spiral bound soft cover, 140 pages) Mr. Conover's 8th guide investigates movements and case repairs based on the characteristics and requirements of 20 specific clocks. Assembly and adjustment of each clock movement is also included. The twenty clocks...

- ♦ Seth Thomas Salem Cottage, Athens, Cluny, and Sharon
- ♦ New Haven #95 and Harmonious ♦ E. N. Welch OG
- ♦ Ansonia Belmont and La Normandie ♦ Gilbert Amboy
- ♦ Ingraham Amulet & Domino
- ♦ Poole Patrician and Executive Model #5
- ♦ Sessions Regulator #2 and Credo
- ♦ Waterbury Cottage, Canton, and Antrim
- ♦ Welch, Spring, and Co. Italian #3 and Patti

#B-232... \$27.50

REPAIRING FRENCH PENDULUM CLOCKS

(Spiral bound soft cover, 92 pages)

The ninth book in Mr. Conover's series of repair guides... Repair techniques and procedures are illustrated with a sequential series of photographs to illustrate the steps necessary to successfully repair French movements.

- ♦ Includes chapters on black marble timepieces, rack and snail exposed escapement clocks, count wheel striking clocks, count wheel Picture Frame clocks, Morbier spring wall clocks and silk thread suspensions.

- ♦ A glossary and Question/Answer section is also included. #B-264... \$22.50

The "Clockmaker's Newsletter Workshop Series"

Compilations of articles, tips and projects that were originally published in the Clockmaker's Newsletter from 1987 to 2008...newly revised!

- ♦ Edited by Steven G. Conover
- ♦ Fully indexed! ♦ Includes previously published and new material
- ♦ Spiral bound with a clear acetate cover for easy bench use and durability

Book 1... REPAIRS (Spiral bound, soft cover, 190 pages)

Includes chapters pertaining to:

- ♦ Techniques: Basic information which will guide you toward being a better repairman
- ♦ Mainsprings: Types, repair and replacement information and techniques
- ♦ Bushing Methods: A wealth of knowledge on bushing work, plus lots of "how to..." wisdom
- ♦ Clock Repair Questions/Answers: Actual questions from novices answered by a variety of clock repair experts

#B-282...\$37.95

Book 2... TOOLS, TIPS & PROJECTS (Spiral bound, soft cover, 179 pages)

Explores in appealing detail:

- ♦ Making Tools: Learn to make tools that will allow you to repair more efficiently and enjoyably
- ♦ Using Tools: How to properly use tools plus reviews of commercially available examples
- ♦ Projects: Includes information on test stands and how to effectively run a repaired movement during its regulation and adjustment period
- ♦ Repair Tips: A gold mine of "good ideas" pertaining to a variety of repair subjects

#B-283... \$37.95

Book 3... ESCAPEMENTS (Spiral bound, soft cover, 159 pages) Never again guess how to properly adjust or repair an escapement! This book provides you with the proper restoration procedures for Recoil, Deadbeat, Balance and Hairspring escapements.

- ♦ Includes an extensive article on floating balance escapements.
- ♦ The chapter on pendulums and timekeeping gives tips on regulating clocks and determining correct pendulum length

#B-292... \$34.95

10...Repair Books

CLOCK REPAIR-CUCKOO CLOCKS

by Bill Tipton (Spiral bound, soft cover, 90 pages)

Step-by-step repair guide based on the Regula 25 30-hour cuckoo movement...

- ♦ A fully illustrated guide to cleaning, disassembly, bushing installation and reassembly of one of today's most commonly used cuckoo movements

- ♦ Includes sections on trouble shooting and movement testing

#B290... \$40.00

CLOCK REPAIR TIPS by Bill Tipton **Latest Edition!**

(Spiral bound, soft cover, 121 pages)

...featuring the popular Hermle #340-020 movement

- ♦ Learn how to inspect, trouble shoot, disassemble, repair, lubricate and adjust one of Hermle's most widely used movements, the #340-020 floating balance, Westminster chime movement.
- ♦ Also includes a wealth of techniques and tips that pertain to the inspection and repair of movements in general
- ♦ Special attention is given to the use of bench bushing tools and mainspring winders in comparison to cheaper, but less effective tools.
- ♦ Utilizes a unique flow chart that allows you to efficiently zero in required repairs and procedures to remedy your movement's ills.

#B-274... \$32.50

CLOCK REPAIR: SKETCHES AND BENCH NOTES

by Bill Tipton (Soft cover, 210 pages)

- ♦ Mr. Tipton's latest book which includes handwritten sketches and bench notes for thirty-six movements (circa 1838-1910) by twelve major American clockmakers. This book addresses the repair of broken gear teeth and worn saddle pivots, set-up of strike and chime sequences and the setting and adjusting of mainspring stop works. Electrical circuits for an IBM Master clock are included.

#B-265... \$38.00

Cuckoo Clock Repair Made Simple **Revised Edition**

by Tom Seaman (Spiral wire bound, soft cover, 58 pages)

- ♦ Based on repair techniques for the popular 1-day Regula® 25 movement, one of the most commonly used cuckoo movements. The understanding this book gives you will readily transfer to other models and brands of movements.
- ♦ Well illustrated, with simple step-by-step directions
- ♦ Includes a list of required tools to complete an evaluation and carry out necessary repairs

#B-266... \$42.50

HOW TO FIX YOUR OWN CLOCK by Richard Hansen

(Soft cover, 50 pages) A very basic "do-it-yourself" manual for clock owners! Understand and maintain your clock properly even if you have little mechanical skill and only the most rudimentary knowledge of clocks!

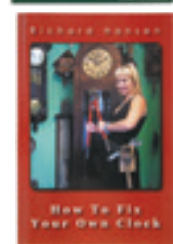
- ♦ 28 topics are presented in a simple question/answer format designed to circumvent some of the most basic clock questions asked by novices.

#B-291... \$8.50

SIMPLIFY and SAVE STARTING A SMALL CLOCK REPAIR SHOP

by Tom Seaman (Soft cover, 19 pages) ♦ A basic guide, authored by a veteran repairman, with suggestions for setting up and streamlining an efficient, economical repair shop.

#B-279... \$15.95



Repair Books...11



Practical Clock Repairing by Donald deCarle
(Hard cover, 240 pages)

An informative, illustrated volume on clock repair, tools, and equipment. Mr. deCarle deals with faults which are likely to occur in specific movement types. ♦ 400 line drawings, made under working conditions, illustrate the technical explanations.

#B-9... \$37.50



Clock Repairing As A Hobby by Harold Kelly
(Soft cover, 128 pages)

The book written especially for those who have never worked on a clock movement before!

- ♦ Part 1 ...deals with movements, escapements, pendulums, and balance wheels
- ♦ Part 2 ...discusses tools, American striking clock repair, alarms, 400-day clocks, and special repair techniques

#B-71... \$11.75



The Modern Clock by Ward Goodrich

(Now Hard cover, 502 pages) A complete, authoritative, and reliable guide to clock repair. This guide goes far beyond the cataloging of historical clock types. It is truly a study of time-keeping mechanisms, advice for the beginner, counsel for the specialist, and a source of valuable information for the hobbyist. Basic repair fundamentals are stressed as they relate to clock construction and repair.

#B-115... \$17.50



The Escapements: Their Action, Construction, and Proportion by F. J. Britton (Soft cover, 66 pages)

- ♦ An unabridged reprint of a horological classic. Mr. Britton investigates some of the primary forms of escapements you will encounter as you work with clocks: anchor cylinders, deadbeat, chronometer, duplex, verge, pin pallet, and pin wheel.

#B-133...\$11.50



Anniversary Clock Adjusting by Mervyn Passmore
(Soft cover, 44 pages)

A concise book which reveals the workings and adjustments necessary to tune your 400-day clock for optimum running order.

- ♦ Technical information is kept to a minimum: helpful text and relevant illustrations expand the text into a useful volume of readily applied techniques and information.
- ♦ Chapters include the suspension, letting down the mainspring, set up, escapement adjustment and more.

#B-234... \$14.95



Anniversary Clock Identification

by Mervyn Passmore (Soft cover, Spiral bound)

This book enables anyone, professional or amateur, to quickly and accurately identify the movement used in 400-day clocks. Efficiently find model information, along with data on manufacturers and parts.

- ♦ This book allows you to create a source of information for quick identification.
- ♦ Includes information on manufacturer's names, movement identification codes, logos, backplate dimensions, and a wealth of detailed movement specifications

#B-278... \$26.50

12... Repair Books

The Pin-Pallet Escapement- Adjustment and Repair

by Robert Porter (Spiral bound, soft cover, 44 pages)

Points out important details that cannot be overlooked when repairing or adjusting Brocot (Pin-Pallet) escapements as found in its various forms. Avoid misdiagnosing movement troubles!

- ♦ Illustrated with large, clearly labeled line drawings

#B-273... \$13.95



The Art of Repivoting for the Watch and Clock

Maker by Robert Porter (Soft cover, 60 pages)

- ♦ Includes basic and advanced repair methods to accurately replace worn, broken, or missing pivots in both watch and clock wheels and pinions

- ♦ Includes instructions on how to make micro pivot drills

#B-272... \$16.95



The Clock & Watch Makers Guide to Gear Making

by Robert Porter (Soft cover, 192 pages)

- ♦ Focuses on useful gear types to give the reader the basic information needed to design gears and cutters

- ♦ Full of step- by-step examples, quick reference charts, gear and cutter design sheets

- ♦ Includes information on how to design and make a simple weight-driven clock

#B-267.... \$37.50



Revere Clocks Service Manual (Soft cover, 24 pages)

- ♦ Recently reprinted, this illustrated manual was originally published by the Revere Clock Co. Text explains service techniques for Revere's #100 Mantel Chime Movement, and the "Electric 5-tube Floor Clock Movement".

#B-147... \$6.00

Practical Clock Escapements by Laurie Penman

(Hardcover, 248 pages) For beginners and experienced repairmen: covers in depth the five escapements most commonly used in domestic clocks: Crownwheel and verge, Recoil anchor, Graham deadbeat, Brocot, and Platform escapements.

Over 400 line drawings enhance the lucid, clearly written text which includes

- ♦ Practical information on how to design and make pallets and escape wheels
- ♦ Practical advice on how to assess faults and repair escapements, plus detailed information on pendulums and suspensions
- ♦ Less common escapements, gravity escapements, and Harrison's grasshopper escapement

#B-227...\$42.50



Mainspring and Pendulum Calculator

An easy to use CD program, complete with instructions. Calculates....

- ♦ Running time between windings
- ♦ Optimal mainspring length from barrel, arbor and spring thickness measurements
- ♦ Number of barrel revolutions from fully wound to unwound
- ♦ Barrel revolutions and running time for changes in spring length
- ♦ Pendulum length for any beat rate

- ♦ Beats per hour based on gear tooth counts for the entire train
- ♦ Compound pendulum rate from entered weights and dimensions
- ♦ Change in driving power and running time for changes in spring thickness

Runs using Microsoft® Excel 97 and Excel 2007

#P-2025... \$19.00

Calculations are displayed almost instantaneously!

Repair Books ...13



Horolovar 400-day Clock Repair Guide

(Hard cover, 237 pages)

In addition to thoroughly documenting the history of 400-day clocks, this book contains guidelines on repairs, adjustments, pendulums, suspensions, and other components. It also includes an extensive collection of back plate and suspension illustrations which aid clock identification and the selection of replacement parts.

#B-78...\$29.75



How to Repair Atmos, The Perpetual Motion Clock

(Soft cover, 15 pages)

First printed in 1952, this manual contains directions for the care, operation, and repair of Atmos mechanisms. Clearly illustrated!

#B-151... \$5.95



Atmos Repair Guide/Parts List (Soft cover, 16 pages)

A sixteen page reprint of Jaeger-LeCoultre brochures detailing repairs and parts related to the Atmos VI (Cal. #528), the Classic #5400 and the #150e (Cal. #540). Fully illustrates step-by-step repair checks, assembly hints, and adjustment information for the Atmos VI.

#B-180...\$3.75



The Top 300 Secrets of a Master Clockmaker

by J.M. Huckabee (Soft cover, 111 pages)

Includes over 300 illustrations with directions and critical notes as they relate to thirty-six repair topics. This material essentially covers all of the more difficult tasks encountered in the restoration of older American clocks. Each step is discussed in detail, with easy to read directions and illustrations. Each task is broken down into simple operations...all are presented in a logical sequence of events.

#B-197... \$27.50

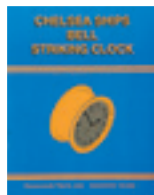


REPAIR AND RESTORE YOUR 400-DAY CLOCK

by Joseph Rabushka (Hard cover, 92 pages)

- ♦ The first book to provide a detailed analysis of individual 400-day clock components: suspension springs, forks, hands, escape-ments, bases and cases.
- ♦ Fully illustrated step-by-step instructions describe how to successfully evaluate and repair any part of your 400-day clock. This is the most comprehensive, hands-on repair manual ever written for these popular timepieces.

#B-280... \$19.95



CHELSEA SHIPS BELL STRIKING CLOCK

(Soft cover, 8 pages)

- ♦ An illustrated parts list and assembly guide for the Model 4L movement with an 11 jewel escapement, first made in 1950
- ♦ Well illustrated with exploded drawings.
- ♦ Topics include lubrication, the escapement, strike levers, assembly of the strike mechanism, gear trains, regulator and strike assembly, the power train, and plates/posts/bushings.

#B-245... \$8.95

Order on-line 24-hours a day...
www.merritts.com

14...Repair Books

Tabletop Machining: A Basic Approach to Making Small Parts on Miniature Machine Tools by Joe Martin

(Soft cover, 343 pages)

Written by the manufacturer of Sherline Products, this marvelous source of information addresses "how" to carry out an operation, stressing "why" you would want to do a job a certain way.

- ♦ Chapters are designed so that each is a complete reference on a specific topic. General machining, lathe operations, milling, projects, resources, and related subjects are included.
- ♦ Lavishly illustrated: full color/full page photographs and drawings.

Regardless of the lathe you use, this book will quickly become your "bible" for machining knowledge!

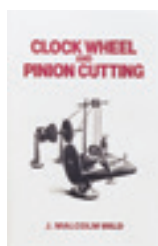
#B-203...\$42.50

The Watchmaker's Lathe by Ward Goodrich

(Hard cover, 264 pages)

A complete book which recalls the evolution and intricacies of the modern American watchmaker's lathe. Chapters on lathe construction, face plates, chucks, rests, tail stocks, cutters, drills, grinding, snailing, and attachments are included.

#B-114...\$28.75



Wheel and Pinion Cutting in Horology:

A Historical and Practical Guide by J. Malcolm Wild

(Hard cover, 253 pages)

Are you afraid of cutting your own wheels and pinions? Do you think the process too complicated? This book was written by a master tool maker whose purpose was to dispel your apprehensions...

- ♦ You are guided step by step with over 500 photographs and line drawings to make your understanding of machining techniques more complete and the results pleasing.
- ♦ The text covers early methods for cutting wheels, theory behind wheels and pinions, practical instruction on all aspects of wheel and pinion cutting, plus detailed information on the equipment used.

#B-213... \$62.50

Clock Wheel and Pinion Cutting by J. Malcolm Wild

(Soft cover, 48 pages)

Learn how to produce and repair gear trains, gears, and pinions. This manual instructs how to calculate, and then cut, wheels and pinions on a conventional lathe.

- ♦ Chapters on wheel/pinion theory and equipment are included.

#B-134 ...\$15.25

Practical Watch Repairing by Donald deCarle

(Hard cover, 319 pages)

A marvelous book which describes the repair and adjustment of modern watches in complete detail!

- ♦ Mr. deCarle's book has been reviewed by the Horological Journal as "The best illustrated book on practical watch repair yet issued..."
- ♦ Includes 23 chapters on repairs, tools and the workbench, examination, cleaning, lathe work, jewellery, plus much more on specific watch characteristics and function.

#B-223... \$34.00

Repair, Woodworking Books ...15



Watch Repairing As A Hobby by D.W. Fletcher (Soft cover, 64 pages)

♦ A superbly illustrated guide to watch movements, watch repair tools, cleaning, reassembly, and common watch "ailments".

#B-123... \$10.50



A PRACTICAL TREATISE ON REPAIRING WATCH CASES

by W. Schwanatus and Wesley Fenimore (Soft cover, 27 pages)

♦ A modern reprint of a definitive work on watch case repair... First printed in 1909, this contemporary edition has been enhanced with additional illustrations and descriptions.

#B-242... \$5.95

WATCH CROWN MANUAL: Everything You Need to Know About Fitting

Watch Crowns by HENRY B. FRIED (Soft cover, 23 pages)

♦ This modern reprint of Mr. Fried's work defines when to replace a crown, how to select the right crown, and how to match colors. It also includes information on stem and crown threads, crown nomenclature and dimensions, waterproof crowns and more.

#B-243... \$6.95

PATEK PHILIPPE GENEVE 1925-1965 MATERIAL CATALOG

(Soft cover, 40 pages)

♦ A full list of movements for wrist and pocket models, including automatic, chronograph and sweep second models: each with parts lists and illustrated for identification.

#B-244... \$8.95

THE KEYSTONE WATCH CASE CO. MATERIAL CATALOG: January 1, 1919 (Soft cover, 80 pages)

♦ A facsimile reprint of the original Keystone Watch Case Co. catalog of 1919. All movements are fully illustrated and include parts listings, part numbers and original 1919 prices.

♦ The catalog covers Howard (18,16,12, and 6 sizes), Crown (16,12, 3/0 and 10.0 sizes), New York Standard (18,16,12, 6, and 0 sizes) in open face and hunting styles. Over 500 illustrations!

#B-246... \$9.95

THE SPIRIT OF CARVING CLOCKS by William O. Zelt (Soft cover, 52 pages) Information by master carver William Zelt on the process of carving clocks from wood.

♦ Mr. Zelt mentors you through the process of making 18 different clocks involving carving, not as a "how to do" book, but as a book which helps you experience "the essence" of the clock carving and thereby improve as a woodcarver.

♦ A wealth of practical information and ideas that are sure to become valuable to anyone who wants to excel as a wood-carver!

#B-269... \$20.00



16... Woodworking Books

Detailed plans for three popular American clocks... Each spiral bound set of plans includes a comprehensive set of large easy-to-read drawings with measurements in both inches and millimeters for experienced woodworkers.

Sessions "Black" Mantel Clock Plans

- ◆ Plans for a clock originally made by Sessions: 17-1/2" wide x 12" high x 6-1/2" deep
- ◆ 9 spiral bound pages

#B-286... \$21.50

Ansonia "King" Mantel Clock Plans

- ◆ Plans for the "King" model originally made by Ansonia: 14" wide x 24" high x 4-1/2" deep
- ◆ 12 spiral bound pages

#B-287... \$21.50

Ansonia "Triumph" Mantel Clock Plans

- ◆ Plans for the "Triumph" model originally made by Ansonia: 24-1/2" tall
- ◆ 23 spiral bound pages

#B-288...\$21.50



The Complete Guide to Making Wooden Clocks

Second Edition by John A. Nelson (Soft cover, 176 pages)

Includes plans for 37 different clocks... from simple mantels to Grandfather clocks in traditional, Shaker and contemporary styles!

- ◆ Includes chapters on the history of clocks, popular American clock styles and clock components with step-by-step instructions
- ◆ An informative edition: well written and lavishly illustrated with photographs and drawings!

#B-208... \$24.00

Clockmaking: 18 Antique Designs for the Woodworker

by John A. Nelson (Soft cover, 224 pages)

18 plans for American clocks: styles were included based on their unique contribution to the history of clockmaking.

- ◆ Plans reflect the joinery exactly as it appeared in the original: instructions were written to recreate the clocks as precisely as the originals were crafted!
- ◆ Includes a brief history of clockmaking, parts/assembly, general instructions and details for finishing cases and dials.
- ◆ Plans include a grandfather clock, pillar and scroll, column and splat, ogee, steeple, cottage, Connecticut shelf, figure 8, banjo, schoolhouse, #2 Regulator, gingerbread, mission wall and shelf, black mantel, and tambour.

#B-220... \$24.50



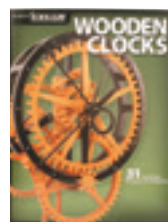
WOODEN CLOCKS... 31 Favorite Projects and Patterns

(Soft cover, 151 pages)

- ◆ Packed with colored photos, diagrams, patterns and comprehensive directions
- ◆ Beginner, Intermediate and Master level clocks are included in this collection
- ◆ The text is peppered with valuable tips and techniques to improve your wood crafting skills

Clocks always make great gifts: this book is a treasure chest of ideas!

#B-271... \$24.75





Woodworking Books/Movements ...17

How to Build 35 Great Clocks by Joseph Danielle

(Soft cover, 192 pages)

- ♦ Working plans, drawings and instructions for thirty-five different plaque-style, shelf, wall, tall case clocks and weather stations.

#B-231...\$21.50

FIT-UP WEATHER INSTRUMENTS

European-made weather fit-ups with metal bezels!

- ♦ Hand polished metal bezels with a bright brass finish
- ♦ Each fits into a 2-3/8" opening using a soft gasket mounting system (included)
- ♦ Ivory dials with black American indicator markings rather than Metric equivalents
- ♦ Thermometer and Hygrometer: quality European-made coils
- ♦ Barometer: with a superior British barometric pod incorporating a rack and pinion transfer system

#P-2085... 2-3/4" diameter thermometer ...\$8.50 each

#P-2087... 2-3/4" diameter barometer ...\$16.50 each

#P-2172... 3-1/2" diameter barometer ...\$20.00 each

#P-2173... 3-1/2" diameter hygrometer ...\$10.00 each

#P-2174... 3-1/2" diameter thermometer ...\$10.00 each



3-5/16" DIAMETER QUARTZ FIT-UPS...

High quality quartz movements with a gold colored bezel at an economical price!

- ♦ Fits in a 2-7/8" diameter opening
- ♦ Requires one "AA" cell battery (not included)
- ♦ Friction fit, spring clip mounting



#P-1426... Ivory Dial with Arabic numerals

#P-1427... White Dial with Roman numerals

Your Choice... \$5.75 each

Any 3+...\$5.50 each

Any 12+...\$5.00 each

SOLID BRASS 2" DIA. QUARTZ FIT-UPS... Each is a top quality

fit-up movement machined to precise specifications with a major brand quartz

movement installed! ♦ Mounts in a 1-3/8" dia. hole ♦ 1/8" min. depth required

♦ Ribbed gasket system makes these fit-ups easy to install in almost any material

♦ Scratch-resistant mineral glass lens ♦ Replaceable battery included

#P-1273...

Fancy Arabic with a traditional white German-style face, gold accents, and a triple waterfall style bezel



#P-1274...

Ivory Roman with a traditional Roman-style dial on an ivory background, and a triple waterfall style bezel



Your Choice ...\$14.50 each 3+... \$14.25 each 12+... \$13.75

18... Movements: Quartz

1-7/16" MINIATURE QUARTZ FIT-UP MOVEMENTS...

These miniature movements can be installed in anything you can bore a hole into!

- ♦ Simple front mount installation ♦ Battery included
- ♦ 1-7/16" diameter ♦ Mounts in a 1-3/8" hole ...3/8" minimum depth

Your Choice... \$6.50 each 3+ ...\$6.25 each 12+ ...\$6.00 each



#P-1508...
♦ Fancy
Arabic numerals
♦ Brass
finished
bezel



#P-1509...
♦ Fancy
Roman numerals
♦ Brass
finished
bezel



#P-1170...
♦ Arabic
numerals,
♦ Brass
finished
bezel



#P-1171...
♦ Roman numerals
♦ Brass finished bezel



#P-2204...
♦ Roman numerals
♦ Silver finished bezel

2-3/4" DIA. QUARTZ FIT-UP MOVEMENTS...

- ♦ Fits in a 2-3/8" opening ♦ Friction fit, spring clip mounting
 - ♦ Requires one #P-1576 "AAA" Alkaline battery (not included)
- High quality quartz movements with brass finished plastic bezels!**



#P-1428



#P-1429



#P-1430

#P-1428:
Ivory dial
with Arabic
numerals

#P-1429:
Ivory dial
with Roman
numerals

#P-1430:
White dial
with Arabic
numerals

Your Choice... \$8.00 each Any 3... \$7.75 ea. Any 12... \$7.25 ea.

High Quality 1-7/16" (36mm) Seiko® Mini-Quartz Insert Movements...

#P-1649... ♦ White dial
♦ Arabic numerals
♦ Gold bezel

#P-1650... ♦ Gold dial

- ♦ Arabic numerals ♦ Gold bezel

#P-1651... ♦ White dial

- ♦ Roman numerals ♦ Gold bezel

#P-1651S... ♦ White dial

- ♦ Roman numerals ♦ Silver bezel

#P-2164... ♦ White dial

- ♦ Arabic numerals ♦ Silver bezel

- ♦ 1-7/16" (36mm) outer diameter

- ♦ 1-3/8" inside diameter

- ♦ Glass crystal

- ♦ Metal alloy case with a stainless steel back

- ♦ Rubber battery hatch for super easy battery changes!



#P-1649



#P-1650



#P-1651



#P-1651S



#P-2164

Your Choice...

\$8.75 each

Any 3...\$8.50 each

Any 12+...\$8.25 each

Movements: Quartz ...19

2" DIA. PREMIUM FIT-UP MOVEMENTS

- ♦ Heavy solid brass case ♦ Flat glass lens
 - ♦ Stainless steel backcover
 - ♦ Fits into a 1-3/8" dia. hole using the "soft gasket" mounting system
 - ♦ 1/4" depth required
 - ♦ Gold, beveled edge bezel with applied indicators
- P-2083...** White face with black Arabic numbers ...\$13.00
P-2084... Black face with gold time indicators ...\$15.00



#P-1909



#P-1910

3-7/8" DIAMETER PREMIUM QUARTZ FIT-UP MOVEMENTS...

Superior quality fit-up movements at a reasonable price!
 Each movement features a brass finished plastic bezel and a flat lens.

- ♦ Quality German made movement operates on one "AA" battery (not included)
 - ♦ Mounts into a 3-1/8" hole using a rubber mounting ring. Minimum hole depth: 9/16"
 - ♦ 3-7/8" dia. plastic bezel with a brass colored finish
 - ♦ Black sweep second hand, hour and minute hands
- Top quality quartz fit-up movements!

#P-1909... Black Roman numerals with an ivory finish

#P-1910... Black Arabic numerals with an ivory finish

Your choice... \$9.50 each

3+... \$8.75 each

3-1/2" DIAMETER QUARTZ FIT-UPS

A versatile fit-up made to pressure fit into a 3" opening.

- ♦ American made!
- ♦ Gold finished bezels
- ♦ Operates on one "AA" battery (not included)
- ♦ Black spade hands with a sweep second hand
- ♦ 8 built-in pressure arms combine to securely hold your movement in place when installed in a 3" diameter hole

#P-2037... White dial, Roman numerals

#P-2038... White dial, Arabic numerals

#P-2039... Ivory dial, Roman numerals

Your choice... \$7.50 each Any 6+... \$7.25 ea.

Any 12+... \$6.75 ea.



#P-2037



#P-2038



#P-2039

20...Movements: Quartz

6-1/4" DIAMETER PREMIUM QUARTZ FIT-UP MOVEMENTS...

A superior fit-up movement at a reasonable price! Each movement features a solid brass bezel and a convex glass crystal!

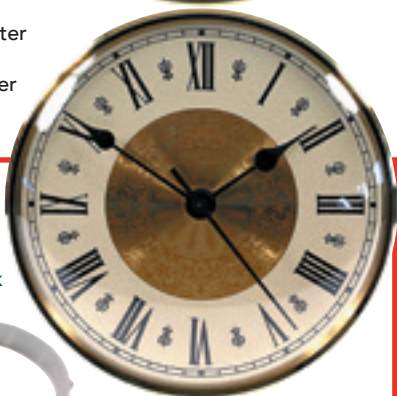
- ♦ Operates on one "AA" cell (not included)
- ♦ Curved glass lens: not a plastic crystal!
- ♦ Mounts into a 3-1/8" hole using a soft ribbed rubber gasket. Minimum hole depth: 9/16"
- ♦ 6-1/4" dia. plastic bezel with a brass finish
- ♦ Black sweep second hand/ hour/ minute hands
- ♦ Decorative gold dial center

A top quality fit-up movement!

#P-1907... Arabic numerals with an ornate chapter ring: white numeral background

#P-1908... Roman numerals with a classic chapter ring: white numeral background

Your choice... \$18.50 ea. 3+... \$17.50 ea.



FLEXIBLE FIT-UP MOUNTING RINGS...

Flexible mounting ring for replacement fit-up movements... also great for adapting fit-ups to slightly oversized clock movement openings

- ♦ Clear Rubber
- ♦ 2-1/4" unexpanded outside dia.

#P-1965...

**Your choice...\$1.00 each
12+... \$.75 each**



FLEXIBLE ADHESIVE MOVEMENT MOUNTING PAD...

Fasten your battery movement in place quickly and securely: No more fooling around with double-sided tape!

- ♦ Peel the protective films off of the 1/16" thick preshaped adhesive pad and securely attach your movement to a case or dial
- ♦ Holds movements securely in position and prevents unwanted rotation
- ♦ 1-7/8" x 1-7/8" with a 7/16" center hole for your handshaft

#P-2210... Pack of 3 ...\$2.50

4-7/8" and 5-7/8" QUARTZ FIT-UP MOVEMENTS...

Two new fit-up movements complete with a brass finished metal bezel and a plastic crystal

- ♦ White dials with contrasting black Roman numerals and black hands
- ♦ Sweep second hand
- ♦ Minimum hole diameter: 2-7/8" with metal mounting clips installed for adaptation to holes up to 3-7/8" diameter
- ♦ Requires one "AA" battery (not included)

#P-2096... 4-7/8" dia. ...\$10.50 3+...\$10.25 ea.

6+...\$9.75 ea.

#P-2097... 5-7/8" dia. ...\$10.50 3+...\$10.25 ea.

6+...\$9.75 ea.



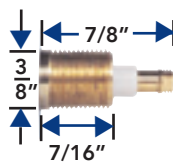
Movements: Quartz ...21



CONTINUOUS SWEEP HIGH TORQUE "C" CELL MOVEMENT...

Now available with a continuous sweep second hand! This motion allows the minute hand to operate more smoothly and eliminates the "wiggle" that can be seen when using large hands.

- ◆ Requires one "C" battery (not included)
- ◆ Will fit dials up to 3/8" thick
- ◆ Overall size: 2-1/8" wide x 2-3/4" high x 1" depth
- ◆ Continuous sweep second hand



- ◆ Increased spacing between hour and minute hands to accommodate the use of larger hands when necessary. This increased distance will help to prevent hands from binding because it leaves enough room for the counterweights commonly found on large minute hands.

#P-2178... \$14.50 each 3+... \$14.00 each 12+... \$13.50 each

10" TAPERED CONTINUOUS SWEEP SECOND HAND

Designed and balanced specifically for use with the P-2178 high torque movement!

- ◆ 10" long from the mounting post to the tip
 - ◆ Bold tapered style
- #P-2180B... Black ...\$4.50 each
#P-2180R... Red ...\$4.50 each



HIGH TORQUE "C" CELL MOVEMENT...

Now available with or without a pendulum! A full size "C" cell powered movement designed specially for use with today's larger clocks and clock hands. This is the most powerful movement on the market today!

- ◆ Requires one "C" battery (not included)
- ◆ Will fit dials up to 3/8" thick
- ◆ Overall size: 2-3/16" w x 2-3/4" h x 5/8" d
- ◆ Pulsing sweep second hand

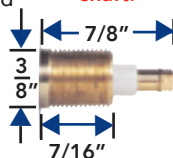
- ◆ Increased spacing between hour and minute hands to accommodate the use of larger hands when necessary. This increased distance will help to prevent hands from binding because it leaves enough room for the counterweights commonly used on large minute hands.

#P-1561... \$9.00 each 3+... \$8.75 each 12+... \$8.50 each

#P-1561WP... Includes a 25" adjustable pendulum

\$19.75 each 3+... \$19.50 each 12+... \$19.00 each

Extended
minute hand
shaft!



SEIKO® HIGH TORQUE "AA" MOVEMENT

...43% more power than conventional AA movements!

- ◆ Compact size: 2-1/8" high x 2-1/8" wide x 5/8" deep
- ◆ Continuous sweep second hand
- ◆ 5/8" centershaft accommodates dials up to 1/4" thick
- ◆ Utilizes one "AA" battery (not included) and any of our quartz movement hands (not included)
- ◆ Please note: Since 2012, Seiko movements have been made in various Asian factories, not in Japan

#P-1442... \$9.00 ea. 12+... \$8.50 ea. 50+... \$8.00 ea.



22... Movements: Quartz

HIGH TORQUE QUARTZ MOVEMENT

with a step sweep second hand

Designed to accommodate larger heavier hands that are moved smoothly with continuous motion.

- ♦ Operates on one "AA" battery (not included)
- ♦ 7/8" hand shaft with an extended minute hand shaft
- ♦ 2-1/8" high x 2-1/8" wide x 1" depth

#P-2089... \$5.00 3+... \$4.75 each



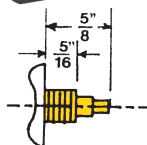
American made!

MINI-QUARTZ MOVEMENTS

...Our smallest quartz movement!

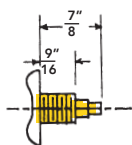
- ♦ 2-5/32" high x 2-5/32" wide x 19/32" deep
- ♦ Pulsing second hand moves in one second intervals
- ♦ Uses a standard "AA" battery (battery/hands not included)

Available in 4 handshaft lengths!



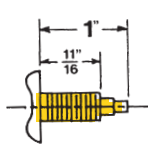
#P-559S...

Small Handshaft



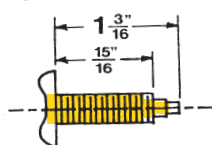
#P-559M...

Medium Handshaft



#P-559X...

Long Handshaft



#P-559XL...

Extra-long Handshaft

Your Choice ... \$3.75 ea. 3+...\$3.50 ea. 12+ ...\$3.00 ea. 100+ ...\$2.50 ea.

NEW! Setting a new standard for mini-quartz movements!

TIME-ONLY MINI QUARTZ MOVEMENTS

- ♦ **Brass clutch gear:** not plastic like most units on the market today!
- ♦ **Steel tension leaf spring:** can carry hands heavier than the average mini quartz
- ♦ **The minute shaft incorporates a rim:** the minute hand can not slide back onto the hour tube. No more hand jamming!
- ♦ **Molded integral plastic hanger** ♦ **Uses standard I-shaft hands**
- ♦ **Mounting hardware included**



#P-2168...

35/64" HANDSHAFT

(14 mm) overall length for dials up to 1/8" thick

- ♦ Threaded section: 15/64" (6mm) long



#P-2169...

25/32" HANDSHAFT

(20 mm) overall length for dials up to 3/8" thick

- ♦ Threaded section: 15/32" (12mm) long



#P-2170...

1-1/16" HANDSHAFT

(27 mm) overall length for dials up to 5/8" thick

- ♦ Threaded section: 45/64" (18mm) long

♦ **Now with a Manufacturer's lifetime warranty!**

\$4.00 each

3+... \$3.75 each

12+... \$3.50 each

Movements: Quartz ...23



AMERICAN-MADE MINI QUARTZ MOVEMENT WITH PUSH-ON MOUNTING

With no bushing... designed exclusively for use with cases that require a clip-in movement. The case is molded so you just snap it in place and push on the hands!

- ♦ American-made movement
- ♦ 2-7/32" square x 5/8" deep
- ♦ Built-in hanger holds up to 4 pounds
- ♦ Requires one "AA" battery: not included

#P-1976A... 3/8" handshaft for dials up to 1/8" thick... **\$3.75 each**
3+...\$3.50 12+... **\$3.00**

#P-1976B... 9/16" handshaft for dials up to 5/16" thick... **\$3.75 each**
3+...\$3.50 12+... **\$3.00**

HANDS FOR PUSH-ON MINI QUARTZ MOVEMENTS

- ♦ Can only be used with push-on movements
- ♦ Black finish
- ♦ Unbushed



#P-1977

#P-1978

#P-1979

#P-1977...Minute hand: 4-1/8" from the tip to the center of the shaft hole

#P-1978...Minute hand: 1-15/16" from the tip to the center of the shaft hole

#P-1979...Minute hand: 2-11/16" from the tip to the center of the shaft hole

Your choice:

\$1.00 pr.

12+... **\$.75 pr.**

New! HEX NUT WRENCH for tightening hex nuts when mounting or removing quartz movements

- ♦ An inexpensive aluminum wrench to aid in your work with the thin hex nuts that are used to secure quartz movements
- ♦ Aluminum: 3-3/8" long with openings for frequently used 1/2" and 13/32" hex nuts



#P-2189... **\$4.25**

SEIKO® PRECISION MINI-QUARTZ MOVEMENTS...

High quality, high accuracy quartz crystal movements accurate to +/- 15 seconds per month!

- ♦ Runs for approximately two years on a fresh "AA" battery (not included)
- ♦ Designed for trouble-free operation
- ♦ Compact 2-1/8" x 2-1/8" x 1/2" size
- ♦ Hanger included
- ♦ Pulsing second hand moves in exact one second increments
- ♦ **Please note:** Since 2012, Seiko movements have been made in various Asian factories, not exclusively in Japan



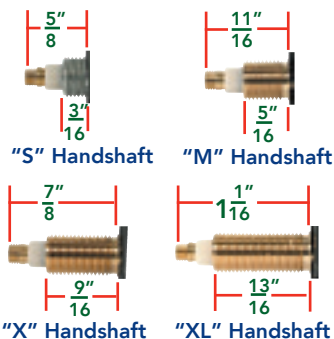
**Your choice of
four handshaft lengths...**

#P-2001S... 5/8" handshaft for dials up to 1/8" thick

#P-2001M... 11/16" handshaft for dials up to 1/4" thick

#P-2001X... 7/8" handshaft for dials up to 3/8" thick

#P-2001XL... 1-1/16" handshaft for dials up to 5/8" thick



"S" Handshaft

"M" Handshaft

"X" Handshaft

"XL" Handshaft

Your choice \$5.00 each 3+... \$4.50 each 12+... \$4.25 each

24... Movements: Quartz

SEIKO® PRECISION PENDULUM

QUARTZ MOVEMENTS... High quality, accurate quartz crystal movements with adjustable pendulums!

- ♦ Designed for trouble-free operation
- ♦ 2-1/4" x 3-1/4" x 7/8" size
- ♦ Runs on a "AA" battery (not included)
- ♦ Optional pulsing second hand
- ♦ Hanger/pendulum included

♦ Please note:
Since 2012, Seiko movements have been made in various Asian factories, not in Japan



Your choice of two handshaft lengths...

#P2002S... Handshaft 5/8" overall length with 11/32" threaded for dials up to 1/8" thick

#P2002XL... Handshaft 1-1/16" overall length with 3/4" threaded for dials up to 5/8" thick

Your Choice... \$13.25 ea. 3+... \$12.75 ea. 12+... \$12.25 ea.

QUARTZ TIME-ONLY PENDULUM MOVEMENT... Our lowest priced quartz pendulum movement!

- ♦ Adjustable pendulum included
- ♦ 3" wide x 4" high x 1" deep
- ♦ Mounting hardware included
- ♦ Runs on a standard "AA" battery
- ♦ Battery and hands not included

Choose from 4 handshaft lengths...

#P-834S... 5/8" Handshaft #P-834M... 3/4" Handshaft

#P-834X... 1" Handshaft #P-834XL... 1-1/4" Handshaft

Your Choice ... \$11.00 each 3+... \$10.50 ea. 12+... \$10.00 ea.



COMPACT QUARTZ MOVEMENT

for Carriage clocks, miniature desk clocks and other special craft clocks that require compact movements.

- ♦ Compact size: 1-15/16" diameter x 5/8" thick
- ♦ Utilizes "push-on" type hands ♦ 9/32" long handshaft
- ♦ Sweep second hand capability (Hands not included)
- ♦ Requires one "N" battery (not included)

#P-2040... \$4.00 each 6+... \$3.75 ea. 12+... \$3.50 ea.

3 PC. PUSH-ON HAND SETS

for Compact Quartz Movements

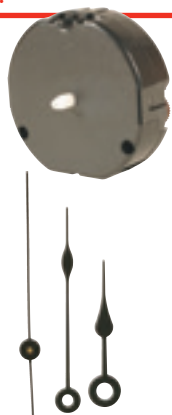
- ♦ Spade hour hand, minute hand and corresponding sized second hand...each finished in black. Second hand is brass bushed.

#P-2040A... Set with 1-1/8" long min. hand

#P-2040B... Set with 1-1/2" long min. hand

#P-2040C... Set with 1-3/4" long min. hand

Your choice... \$1.00 set



BACKWARDS QUARTZ MOVEMENT

This crazy movement runs backwards to create a unique, yet accurate timepiece!

- ♦ 5/8" handshaft for dials up to 1/4" thick
- ♦ 2-5/64" high x 2-13/64" wide x 5/8" deep
- ♦ Hands are included

#P-640... \$5.75 ea. 3+... \$5.25 ea. 12+... \$4.75 ea.



Movements: Quartz ...25

4/4 WESTMINSTER CHIME QUARTZ MOVEMENT

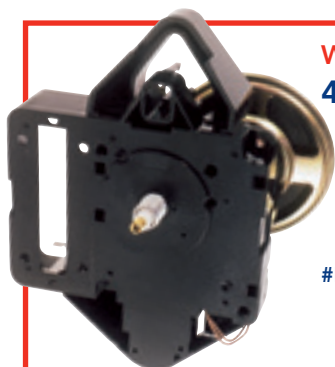
...Our lowest priced quartz chime movement!

- ♦ Plays the Westminster melody on the quarter hour and counts the hours on the hour
- ♦ Built-in speaker for louder, more authentic resolution
- ♦ 4-11/16" high x 3" wide x 1-1/4" depth
- ♦ Runs on one standard "C" battery
- ♦ Battery and hands are not included

#P-831...3/4" handshaft, without pendulum ...\$24.00 3+...\$21.00 ea. 12+...\$20.00 ea

#P-831WP... 3/4" handshaft, with pendulum ...\$29.50 3+...\$29.00 ea. 12+...\$28.50 ea.

#P-831WPXL... 1-1/4" handshaft, w/pendulum ...\$29.50 3+...\$29.00 ea. 12+...\$28.50 ea.



With improved sound! SEIKO® QUARTZ

4/4 DOUBLE CHIME MOVEMENTS

with the sound of a mechanical movement!

- ♦ Plays your choice of Westminster or Whittington chimes on the quarter hour
- ♦ Automatic night silence ♦ Volume control switches
- ♦ Operates on one "C" battery (not included)
- ♦ Removable speakers

#P-1167L... 1-1/8" handshaft without pendulum:

- ♦ 1-1/8" (3/4" threaded) handshaft
- ♦ 3-1/2" h x 2-3/8" w ♦ Fits dials up to 3/4" thick
- ♦ Thickness: 1-7/16" with speaker attached, 1" detached

\$28.00 each 3+... **\$27.50 ea.** 12+... **\$26.00 ea.**

#P-1167WP... 1-1/8" handshaft with pendulum:

- ♦ 1-1/8" handshaft fits dials up to 3/4" thick
- ♦ 4-1/2" high x 3-1/4" w ♦ Thickness: 1-3/4" with speaker attached, 1-3/8" detached

\$35.50 each 3+... **\$34.50 ea.** 12+... **\$33.50 each**

#P-1167... 11/16" handshaft without pendulum:

- ♦ Thickness: 1-7/16" with speaker attached, 1" detached
- ♦ 3-1/2" high x 2-3/8" wide ♦ 11/16" handshaft fits dials up to 5/16" thick

\$28.00 each 3+... **\$27.50 each** 12+... **\$26.00 each**

#P-1167WPS... 11/16" handshaft with pendulum:

- ♦ 11/16" (3/8" threaded) handshaft fits dials up to 5/16" thick ♦ 4-1/2" high x 3-1/4" wide
- ♦ Thickness: 1-3/4" with speaker attached, 1-3/8" detached

\$35.50 each 3+... **\$34.50 ea.** 12+... **\$33.50 each**



QUARTZ BIM-BAM STRIKE PENDULUM MOVEMENT

...strikes the hour and half-hour on real chime rods!

- ♦ 10 -16" adjustable pendulum
- ♦ 7/8" handshaft for dials up to 3/8" thick
- ♦ Requires one standard "D" battery
- ♦ Battery and hands are not included
- ♦ 5-3/4" wide x 5-7/8" high x 2-3/16" depth

#P-647WP... **\$80.00 each** 3+ ... **\$78.00 ea.**

Order on-line 24-hours a day..
www.merritts.com

26...Movements: Quartz

QUARTZ WESTMINSTER-WHITTINGTON CHIME MOVEMENT with Recordable Chimes!

Add any sound or the message of your choice! You have got to hear this movement to believe it!

- ♦ 2" speaker for greater sound quality
- ♦ Volume control ♦ Night shut off switch
- ♦ Supplied with a pendulum, but it can be operated without it
- ♦ Westminster and Whittington chimes that strike on the hour with an hour count
- ♦ Designed with a built-in microphone and a jack to plug into a higher quality microphone. Record up to 10 seconds of any sound or a message of your choice.
- ♦ Wire connecting the chime module to the movement: 12" long



Movement:

- ♦ 5-1/2" high x 2-3/8" wide x 1-1/4" deep.
- ♦ Overall handshaft length: 13/16" ♦ For dials up to 7/16" thick
- ♦ Operates on one "AA" cell (not included)

Chime Module: ♦ 3-1/4" high x 2-7/16" wide x 1-1/2" deep

- ♦ Operates on two "AA" cells (not included)

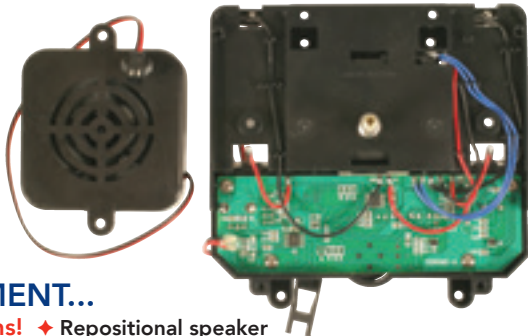
#P-1891...

\$25.50

3+... \$24.50 ea

The most realistic tubular chime sounding quartz movement yet...utilizes standard "I" shaft hands!

REALISTIC ELECTRONIC 4 X 4 CHIMING QUARTZ PENDULUM MOVEMENT...



3 different handshaft lengths! ♦ Repositional speaker

♦ Choose from Westminster, 4x4 Westminster, 4x4 Ave Maria, or Bim-Bam strike modes! ♦ Requires two "C" batteries: not included

♦ 4 x 4 strike modes will chime on the quarter hours as well as on the top of the hour. Melodies without the "4x4" will not chime on the quarter hours.

♦ "Monitor" button to demonstrate the hourly strike

♦ "Select" switch to choose the hourly strike mode

♦ Also incorporates a "Volume" control knob, and a "Night Off" (no chimes from 11:00 P.M. to 5:45 A.M.), "24 Hour On" or "Off" (no strike at all) selector

♦ Remote mounted speaker delivers a realistic, high quality chime sound.

♦ Movement: 4-5/8" wide x 4-5/16" high x 1-5/16" thick with a 1/2" handshaft

♦ Remote speaker: 3-1/2" wide x 3" high x 1" thick with 12" lead wires

♦ Adjustable pendulum length... may also be used without a pendulum if desired.

#P-2029A... Overall handshaft length: 18 mm (45/64") with 3/8" threaded

...\$58.50 3+ movements... \$57.50 each

#P-2029B... Overall handshaft length: 21.5 mm (27/32") with 1/2" threaded

...\$58.50 3+ movements... \$57.50 each

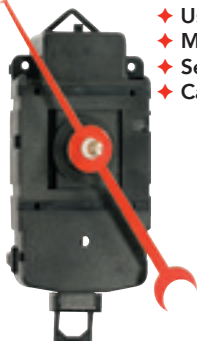
#P-2029C... Overall handshaft length: 26.4 mm (1-1/32") with 5/8" threaded

...\$58.50 3+ movements... \$57.50 each

Movements: Quartz ...27

QUARTZ CALENDAR MOVEMENTS

The 31-day calendar hand on this movement works off the centershaft and functions just like an antique mechanical calendar movement!



- ◆ Use with our 5", 7", 9" or 11" calendar dials
- ◆ Mounting hardware included
- ◆ Separate time and date setting knobs
- ◆ Calendar hands available, but not included

Available with or without a pendulum...

#P1854... Without pendulum

- ◆ Requires one (1) "AA" battery (not included)
- ◆ Handshaft: 31/32" overall length with the hand nut in place.
- ◆ Accommodates a dial up to 1/4" thick
- ◆ 2-3/16" overall width x 2-3/16" overall length
- ◆ 13/16" overall depth (excluding handshaft)

\$10.00 each 3+... \$9.00 ea. 12+... \$8.00 ea

#P1854WP... With pendulum ◆ Requires two (2) "AA" batteries (not included)

- ◆ Handshaft: 7/8" overall length with the hand nut in place
- ◆ 2-3/8" overall width x 5-1/2" overall length
- ◆ Pendulum: Length adjustable from 16-1/2" to 4"
- ◆ 1-1/4" overall depth (excluding handshaft)
- ◆ Accommodates a dial up to 1/4" thick ◆ Brass finished 2-3/4" dia. bob

\$14.00 each 3+... \$13.00 each

Choice of two calendar hand styles and sizes...

#P-1856... SMALL RED CALENDAR HAND

- ◆ 4-1/4" from the tip to the center of the centershaft hole

...\$1.00 each

#P-1855... LARGE RED CALENDAR HAND

- ◆ 5-1/8" from the tip to the center of the centershaft hole ...\$1.00 each



QUARTZ TIME AND TIDE MOVEMENT...

Now available with dial and hands!

- ◆ Tells you the tides as well as time!
- ◆ Accommodates hands for hours, minutes, seconds and tide
- ◆ Centershaft: 3/8" long for dials up to 5/16" thick
- ◆ Can be used with either the 6" or 7-7/8" diameter dial
- ◆ Operates on 1 "AA" battery (not included)

#P-1917... Movement only \$12.75 each 3+... \$12.00 ea.



TIME AND TIDE DIALS in two sizes!...

Painted on sturdy aluminum, each dial incorporates time on the outer ring and tide increments in the center

- ◆ White with black numerals

Available in two dial diameters:

#P-1918... 6" diameter dial ...\$3.50 each

#P-1919... 7-7/8" diameter dial ...\$3.75 each

TIME AND TIDE INDICATOR HANDS

#P-1920... Red: 1-5/8" long for the 6" diameter dial ...\$1.00 each

#P-1921... Red: 3" long for the 7-7/8" diameter dial ...\$1.00 each

28...Movements: Quartz

SET AND FORGET® DAYLIGHT SAVING TIME

MOVEMENTS... Automatically adjusts your time backward or forward when Daylight Savings Time occurs! The internal microchip "calendar" is programmed with the date until the year 2030. ♦ No radio signal required

- ♦ 2-7/32" high x 2-7/32" wide x 5/8" deep ♦ 5/16" shaft diameter
- ♦ Incorporates a three way mode switch: **OFF** for areas where Daylight Savings Time (DST) is not observed, **NEW** for the new DST format adopted in March 2007 where DST is extended by approximately one month, and **OLD** for the old, conventional DST dates in case the government chooses to not extend the new format.

- ♦ "Step pulse" sweep second hand
- ♦ I-shaft hands may be used with these movements

#P-2014A... Quartz with an 11/16" handshaft for dials up to 3/16" thick. Requires one "AA" battery

\$13.00 each 3+... \$12.50 12+...\$12.00

#P-2014B... Quartz with a 1-3/16" handshaft for dials up to 3/4" thick. Requires one "AA" battery

\$13.00 each 3+... \$12.50

12+...\$12.00

#P-2015A... Electric with an 11/16" handshaft and a 6' cord

\$14.50 each 3+... \$14.00

12+...\$13.50

#P-2015B... Electric with a 1-13/16" handshaft and a 6' cord

\$14.50 each 3+... \$14.00 12+...\$13.50

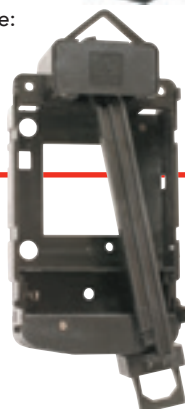


SET AND FORGET® WORLD MOVEMENT...

Set this unique movement to any time in the world and the Set and Forget® World movement automatically adjusts to compensate for Daylight Savings Time

- ♦ No radio signal required
- ♦ **High Torque:** can be used with larger I-shaft hands
- ♦ Set it once and don't worry about the beginning or ending of Daylight Savings Time
- ♦ 3" high x 2-1/4" wide x 5/8" deep ♦ 5/16" shaft dia.
- ♦ 3/4" handshaft for dials up to 1/4" thick with 5/16" threaded
- ♦ Time regulation module with LCD functions runs for up to 5 years on one standard watch battery (included). Simple to operate: just set the component module for the desired city, then set the year/month/date and time. This unit also has 12 or 24-hour time capability
- ♦ Time unit requires one "AA" battery (not included)

#P-2176... \$27.00 each 3+... \$26.50 12+...\$25.50



200 GRAM PENDULUM DRIVE

Designed to drive longer and/or heavier pendulums:

Can be used independently or you can insert a mini quartz movement into the drive's frame.

- ♦ Operates on one "AA" battery (not included)
- ♦ Pendulum not included
- ♦ 5-5/8" long x 2-5/16" wide x 1-1/4" depth

#P-2088... \$7.50 3+... \$7.25 each

Movements: Quartz/Electric ...29

BATTERY PENDULUM SWINGING UNIT...

...the most powerful pendulum swinging unit on the market!

- ♦ The manufacturer guarantees the swinger for up to 1-3/4 lb. pendulums. In our shop tests, it has worked with pendulums weighing up to 3 lbs.
- ♦ Great for small wall clock pendulums, large wall clocks, grandmother and grand-father clocks!
- ♦ Mounts inside your case to simulate a mechanical swinging pendulum... simply screw mount the unit to the inside, back panel of your clock
- ♦ "C" Battery and pendulum not included
- ♦ 8-1/4" overall length x 3" overall width
- ♦ Requires 2-1/4" depth.

#P-1640... \$14.00 ea. 3+...\$13.50 ea. 12+...\$13.00 ea.



HANSEN #A-43RA

"SYNCHRON" MOTOR...

- ♦ 1 RPM ♦ 60CC

#P-660 ...\$26.00 each 3+... \$25.00 each

Complete
with a 10-tooth
pinion!



HANSEN ELECTRIC MOVEMENTS

- ♦ 3-1/4" high x 2-1/4" wide x 1-15/16" deep
- ♦ No hand available

Rear set

Movements...

#P-662...5/8" handshaft

#P-664...7/8" handshaft

Bottom Set Movements...

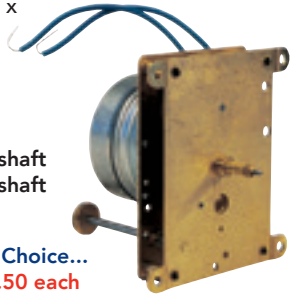
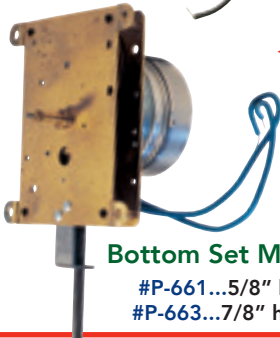
#P-661...5/8" handshaft

#P-663...7/8" handshaft

Your Choice...

\$39.50 each

3+... \$38.50 each



SPARTUS® MODEL #58 ELECTRIC STRIKING PENDULUM MOVEMENT...

Even though we include a pendulum with each movement, the Model #58 may be used without one if desired!

- ♦ Not included: Chime rod, mounting hardware and hand nut
- ♦ 120V, 60 Hz
- ♦ Continuous sweep second capability

#P-1276 ... Now Only \$3.00 ea. 6+... \$2.75 ea. 12+... \$2.50 ea.

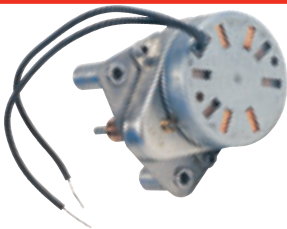


REPLACEMENT

MOTOR... for timing devices, barographs, and other mechanisms.

- ♦ 60 RPM ♦ Runs in a counter clockwise direction

#P-1732... \$34.00 ea. 3+...\$33.00 ea. 12+...\$32.00 ea.



30...Movements: Electric

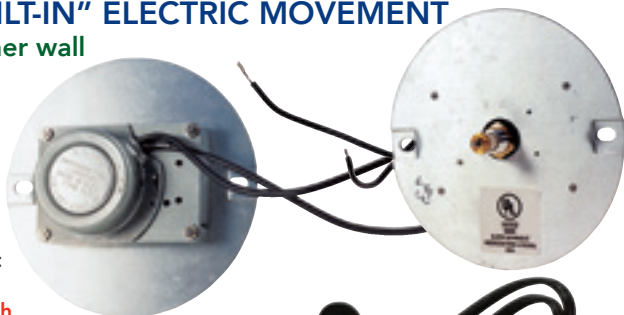
LANSHIRE® "BUILT-IN" ELECTRIC MOVEMENT

For kitchen and other wall mounted clocks.

- ♦ 110 volt movement
- ♦ UL listed
- ♦ Fits in a standard electrical box
- ♦ 7/8" handshaft with 3-8 threads
- ♦ Round mounting plate: 4" diameter

#P-1538... \$38.00 each

3+... \$36.00 each



LANSHIRE® ELECTRIC DIAL-MOUNT MOVEMENT

...An excellent, easy to install replacement for worn out electric movements!

- ♦ Overall handshaft length: 13/16" with 3/8" threaded
- ♦ 2-1/2" wide x 1-7/8" high x 1-3/8" depth
- ♦ Continuous sweep second hand

#P-168 ... \$43.50 each 3+... \$42.00 each



HAND SETS FOR LANSHIRE® ELECTRICAL MOVEMENTS... These hands will fit our #P-168 and #P-1538 Lanshire electrical movements.

#P-1541A... for 9-12" dials ...\$24.75 set

#P-1541B... for 15" dials ...\$24.75 set

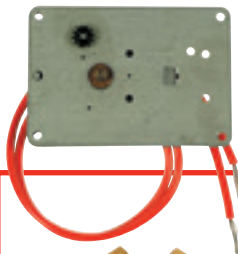


LANSHIRE® XL-7 MOTOR...

For Pam-Ad, Lanshire In-The-Wall and other fit-up clocks.

- ♦ 2-1/2" tall x 1-3/4" wide x 5/8" deep
- ♦ A.C. only
- ♦ 105-125 Volts
- ♦ 60 hertz
- ♦ 2 watts

#P-1998... \$16.00 each



GOVERNOR for MUSIC BOXES or MUSICAL CUCKOO MOVEMENTS...

For 22 and 28-tooth units:

Please note: this item was redesigned by our supplier with a round mounting hole. This hole can be filed into a slot for additional mounting configurations. ♦ 7 tooth pinion

#P-1264... \$15.50 each 6+... \$14.50 each



MUSICAL CUCKOO MOVEMENT...

A musical movement for cuckoo clocks complete with a chain wheel and Black Forest figure.

- ♦ Mounted on a board
- ♦ Requires chain #S-88 and one 420 gram weight (#P-171.420): these are not included with this mechanism.
- ♦ 22 tooth chain wheel

#P-513... \$73.00



Movements: Electric/Mechanical ...31

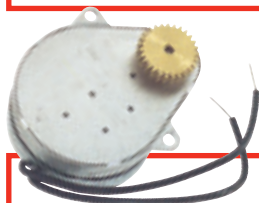
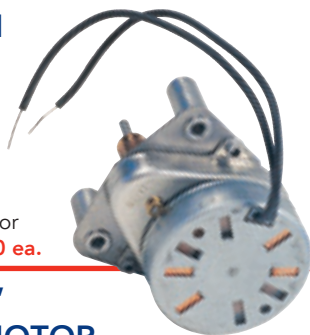
REPLACEMENTS FOR TELECHRON

"B" TYPE ROTOR ASSEMBLIES...

This simplex motor will replace the entire field, coil, and rotor assembly.

- ◆ 1RPM ◆ Clockwise direction ◆ 60 cycles
- ◆ Easy to mount: uses the same 3 position, in-line mounting pattern as Telechron assemblies
- ◆ Nonreversible ◆ 20 times more torque than a rotor

#P-1492... \$28.00 ea. 3+...\$27.00 ea. 12+...\$26.00 ea.



"GOLDEN HOUR" REPLACEMENT MOTOR...

Supplied complete with a 27-tooth gear!

#P-748 ...\$52.00 each 3+... \$50.00 ea.

HUBERT HERR® CUCKOO MOVEMENTS...

Manufactured by the only German cuckoo clock factory still making their own movements!

- ◆ Each movement is complete with a bird rod, chains, stop rings, weight hooks, and a hand nut ◆ Weights are not included

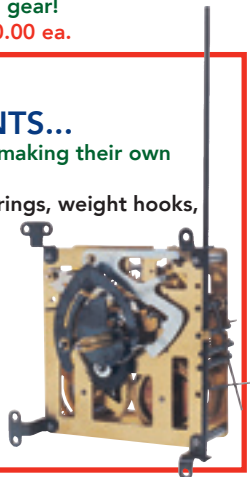
#P-1122... 1-Day Movement

- ◆ Plates: 2-5/8" wide x 2-7/16" high
- ◆ Uses S32 chain
- ◆ Requires two 275 gram weights \$Call 2 for \$Call

#P-1123... 8-Day Movement

- ◆ Plates: 3-5/16" wide x 3-1/2" high ◆ Uses S83 chain
- ◆ Requires two 1500 gram weights

\$Call 2 for \$Call



Cuckoo movement pendulum length is measured from the point of suspension to the middle of the pendulum bob.

Due to the rapid fluctuation of the EURO, please call for current prices.

REGULA® CUCKOO MOVEMENTS...

These movements will replace many cuckoo movements made within the last 25 years!

- ◆ Each movement is complete with a bird rod, chains, stop rings, weight hooks, and a hand nut ◆ Weights are not included.

#P-626 Series 1-Day Movements

- ◆ Plates: 3-13/16" wide x 2-13/16" high ◆ Uses S88 Chain
- ◆ Requires two 320 gram weights

#P-626.19... Short length: 19 cm (7-1/2") \$Call 2 for \$Call

#P-626.23... Medium length: 23 cm (9") \$Call 2 for \$Call

#P-626.28... Long length: 28 cm (11") \$Call 2 for \$Call

#P-627 Series 8-Day Movements

- ◆ Plates: 3-3/16" wide x 2-15/16" high
- ◆ Uses S86 chain
- ◆ Requires two 1260 gram weights

#P-627.19... Short length: 19 cm (7-1/2") \$Call 2 for \$Call

#P-627.23... Medium length: 23 cm (9") \$Call 2 for \$Call

#P-627.28... Long length: 28 cm (11") \$Call 2 for \$Call



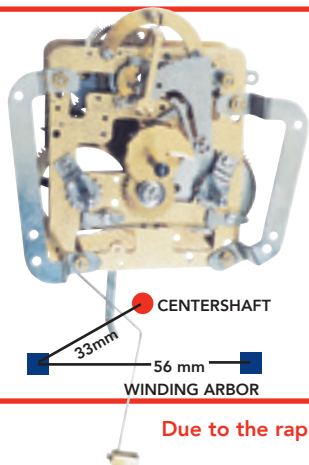
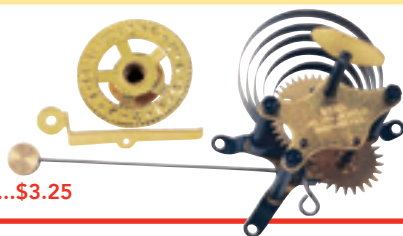
32...Movements: Mechanical

ALARM MECHANISM

... An exact copy of the original used in kitchen and mantel clocks

#P-378... Complete unit with spring-driven mechanism, center piece, and trip arm
...\$15.50

#P-378A... Center Piece only with trip arm ...\$3.25



HERMLE® 14-DAY TIME & STRIKE MOVEMENT: #141-020/32

A high quality Hermle® front wind movement with a 9" pendulum length perfect for kitchen clocks and other short drop mantel clocks!

- ♦ 3" depth including the 1-3/8" handshaft
- ♦ 32 cm. pendulum drop
- ♦ 9" pendulum length from the handshaft to the bottom of the rating assembly.

#P-1571M... Movement only ...\$Call 3+...\$Call

#P-1571C... Movement complete with hands, key, pendulum, suspension spring, gong/gong base ...\$Call 3+...\$Call

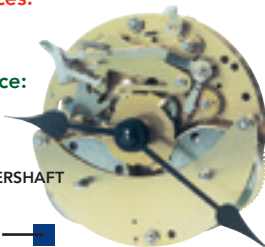
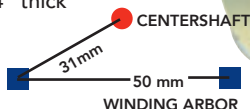
Due to the rapid fluctuation of the EURO and shipping costs, please call for current prices.

HERMLE® SHIP'S BELL MOVEMENT:

#132-071SG ...strikes the traditional ship's bell sequence: 1 through 8 bells in 4 hour intervals on a 2-3/4" diameter bell!

- ♦ 5 Jewel escapement
- ♦ Plates: 3-11/16" diameter x 3/64" thick x 2-5/16" depth
- ♦ Hands and key are included

#P-1252...\$Call 3+...\$Call



HERMLE BELL-STRIKE MOVEMENTS

Bim-bam rear strike on double bells...

- ♦ Quality German workmanship by Hermle, complete with bronze bushings
- ♦ Pendulum Length: 5-1/2" from the centershaft to the center of the bob
- ♦ Great for small wall or shelf clocks

#P-1388M... Hermle #131-071/18

Movement Only ...\$Call 3+...\$Call

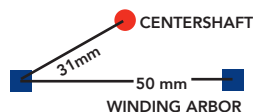
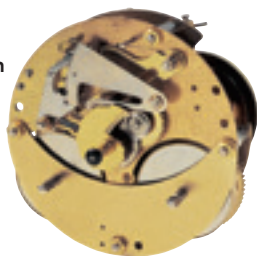
#P-1388C... Movement complete with hands, key, and pendulum ...\$Call 3+...\$Call

#P-1875M... Hermle #131-081/21 The same as above, but with Bim-bam top striking bells and an 8-1/4" pendulum drop: Movement Only

...\$Call 3+...\$Call

#P-1875C... Movement complete with hands, key, and pendulum

...\$Call 3+...\$Call



HERMLE® EIGHT-DAY WESTMINSTER CHIME MOVEMENTS...

Top quality German-made movements for use as replacements or in new cases!

with **PENDULUM** (Hermle #341-020/11)

Designed with a short pendulum drop that does not require additional case length. This is a front mount movement with striking hammers below the movement.

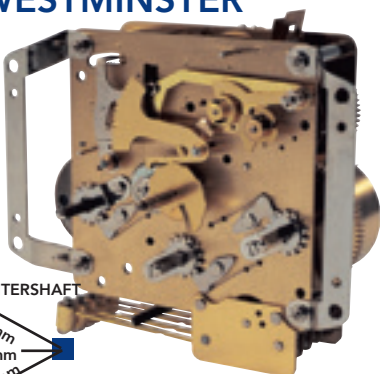
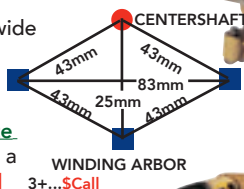
- ♦ Handshaft: 3/4"
- ♦ Overall Size: 6" high x 5" wide x 3-1/2" deep

#P-727M... **Movement Only**

...\$Call 3+...\$Call

#P-727C... **Movement complete**

with hands, pendulum, key, and a five-rod chime assembly ...\$Call



with **PENDULUM** (Hermle #341-020)

A front mount movement with striking hammers below the movement for regulators and wall clocks

- ♦ Handshaft: 3/4"
- ♦ Plates: 100mm x 100mm
- ♦ Brass rod pendulum is complete with a hanger, rating assembly, and a 3-3/16" brass bob

Now available in 2 pendulum lengths!

#P-1022M ... Hermle #341-020/45

Movement only: ♦ Pendulum Length: 14" from the centershaft to the bottom of the rating assembly.

...\$Call 3+...\$Call

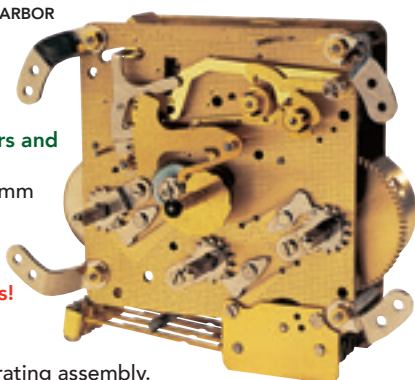
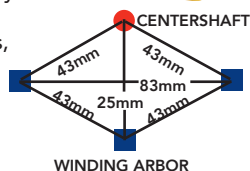
#P-1022C... **Movement complete** with pendulum, hands, key, and a five-rod chime assembly

...\$Call 3+...\$Call

#P-1648M ... Hermle #341-020/35 **Movement only**

♦ Pendulum Length: 11-1/2" from the centershaft to the bottom of the rating assembly. ...\$Call 3+...\$Call

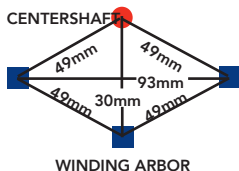
#P-1648C... **Movement complete** with pendulum, hands, key, and a five-rod chime assembly ...\$Call 3+...\$Call



with a **FLOATING BALANCE**

(Hermle #350-060) Front-mount movement with rear mounted striking hammers: perfect for mantels and other clocks when rear chimes are required

- ♦ Handshaft: 3/4"
- ♦ Overall Size: 120mm x 120mm



#P-1021M...

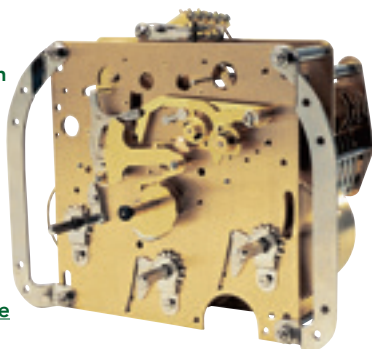
Movement Only

...\$Call 3+...\$Call

#P-1021C...

Movement complete

with hands, key, and chime unit ...\$Call 3+...\$Call



34...Movements: Mechanical

HERMLE® 8-DAY BIM-BAM MOVEMENT

(Hermle #130-020) ♦ 3 bottom hammers

- ♦ Hour and 1/2 hour strike
- ♦ Floating balance
- ♦ Front mount ears
- ♦ Handshaft length: 13/16"
- ♦ Key wound

#P-1885M... Movement only

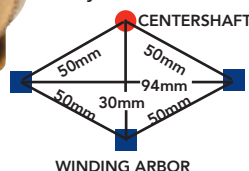
\$Call 3+... \$Call

#P-1885C... Movement complete with pendulum, hands, key, and chime assembly \$Call 3+... \$Call



HERMLE® 8-DAY TRIPLE CHIME MOVEMENT (Hermle #1051-020.45)

- ♦ Hermle with bottom hammers
- ♦ Graham (deadbeat) escapement
- ♦ Triple chime: St. Michael's, Whittington and Westminster strike
- ♦ 45 cm pendulum drop
- ♦ Handshaft length: 7/8"
- ♦ Key wound



#P-1887M... Movement only \$Call 3+... \$Call

#P-1887C... Movement complete with pendulum, hands, key, and chime assembly \$Call 3+... \$Call

HERMLE® 8-DAY WESTMINSTER CHIME MOVEMENT (Hermle #350-020)

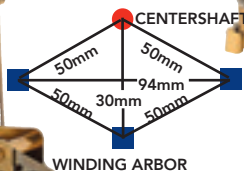
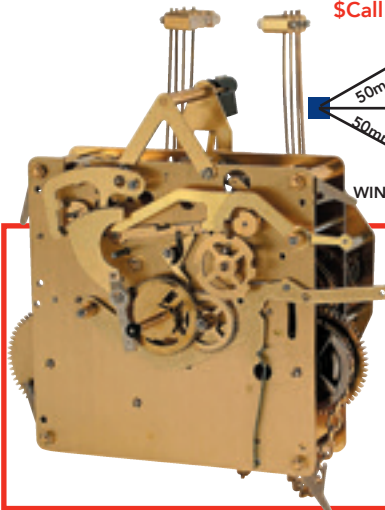
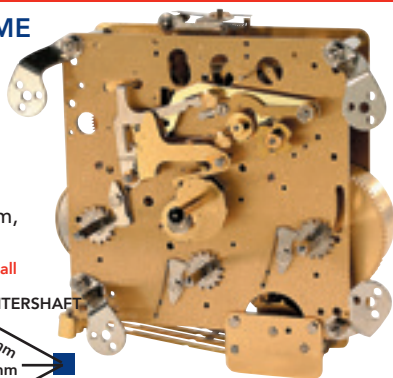
- ♦ Bottom hammers
- ♦ Westminster strike
- ♦ Floating balance
- ♦ Handshaft length: 11/16"
- ♦ Key wound

#P-1886M... Movement only

\$Call 3+... \$Call

#P-1886C... Movement complete with pendulum, hands, key, and chime assembly

\$Call 3+... \$Call



URGOS® 8-DAY WESTMINSTER CHIME MOVEMENT (Urgos #32-319)

- ♦ Replaces UW32/1 movement
- ♦ Westminster strike
- ♦ Chain driven
- ♦ Handshaft length: 7/8"
- ♦ Back hammers
- ♦ 32-1/2" pendulum drop (80 CM)
- ♦ Movement only with chain and hands, but no other accessories

#P-1884... \$Call 3+... \$Call

Due to the rapid fluctuation of the EURO,
please call for current prices.

...35

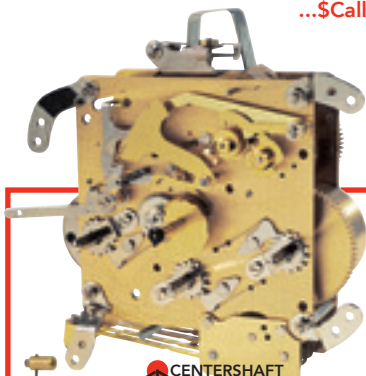
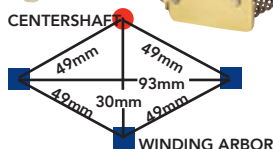
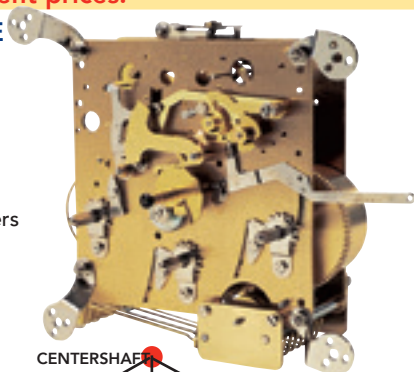
HERMLE EIGHT-DAY TRIPLE CHIME MOVEMENT (Hermle #1050-020)

With a three melody option: choose from Westminster, Whittington, or St. Michael's

- ♦ Handshaft: 3/4"
- ♦ Hairspring balance wheel escapement
- ♦ Overall size: 6-1/2" h x 5" w x 4" d
- ♦ Front mount with bottom mounted hammers

#P-728M... **Movement Only** ...\$Call 3+...\$Call

#P-728C... **Movement complete** with hands, key, and an eight-rod chime assembly ...\$Call 3+...\$Call



HERMLE® EIGHT-DAY WESTMINSTER CHIME MOVEMENT (Hermle #340-020)

Top quality German-made movement for use as replacements or in new cases!

- ♦ Hairspring Balance Model
- ♦ Front-mount movement with striking hammers below the movement
- ♦ Handshaft: 3/4"
- ♦ Overall Size: 6" high x 5" wide x 3-1/2" dia.

#P-726M... **Movement Only** ...\$Call 3+...\$Call

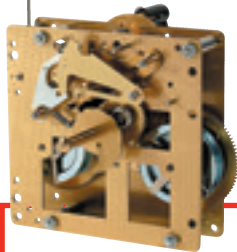
#P-726C... **Movement complete** with hands, key, and a five-rod chime assembly ...\$Call 3+...\$Call

HERMLE® ZAANDAM-TYPE MOVEMENT

(Hermle #261-080A) ♦ 31 cm pendulum length

- ♦ 90 mm mounting depth
- ♦ Long top hammer
- ♦ Complete with chain, mounting plate and screws
- ♦ 8-day weight-driven movement with 1/2 hour strike and a deadbeat escapement
- ♦ Plates: 87 mm x 87 mm

#P-1989M... \$Call 3+... \$Call



HERMLE BRASS SHIP'S CLOCK...

The same size as the popular "Royal Mariner" ship's clock with Hermle® quality throughout, and a mechanical movement that strikes in ship's bell sequence!

- ♦ Solid, polished brass case and a lacquered finish
- ♦ Mounting flange: 7" diameter
- ♦ 3-1/2" overall depth
- ♦ Beveled glass
- ♦ 6" diameter heavy brass bezel closes with a traditional "dog"
- ♦ White dial with Roman numerals

#H35048... \$355.00



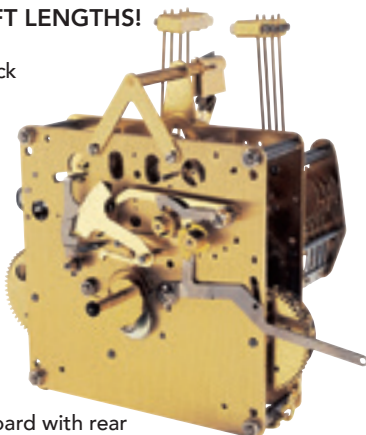
36... Movements: Mechanical

HERMLE® GRANDMOTHER SIZE WESTMINSTER CHIME MOVEMENTS... Available in 2 HANDSHAFT LENGTHS!

- Specifications:** ♦ Graham Escapement
 ♦ Plate size: 4-23/32" h x 4-23/32" w x 1/16" thick
 ♦ Weights: (1) 6.6 lbs. (2) 4.7 lbs.

Case Requirements:

- ♦ Minimum Width: 10" for wood stick pendulum swing; 12-1/2" for a lyre pendulum
 ♦ Pendulum Length: 34-1/2" with a wood stick pendulum; 37-1/2" with a lyre pendulum (centershaft to the bottom of the rating assembly)
 ♦ Minimum height for 8-day operation: 38-1/2" from the bottom of the seatboard to the base



#P-1036M (Hermle #451-050.94)...

Movement only: 1-1/4" handshaft...

- ♦ Minimum depth: from the dial to the backboard with rear mount hammers: 5-1/2"
 ♦ Handshaft Length: 1-1/4" ...\$Call 3+...\$Call

#P-1036C... Movement with all accessories* and a wood stick pendulum
 ...\$Call 3+...\$Call

#P-1036CWL... Movement with all accessories* and a #P-1007 brass lyre pendulum
 ...\$Call 3+...\$Call

#P-1882M (Hermle #451-053.94)...

- Movement only: 2" handshaft... ♦ Minimum depth: from the dial to the backboard with rear mount hammers: 6-1/2" ♦ Handshaft Length: 2"
 ...\$Call 3+...\$Call

#P-1882C... Movement with all accessories* and a wood stick pendulum
 ...\$Call 3+...\$Call

#P-1882CWL... Movement with all accessories* and a #P-1007 brass lyre pendulum
 ...\$Call 3+...\$Call

Due to the rapid fluctuation of the EURO, please call or visit our web site for current prices.

*Accessories: 8 rod gong set, mounting hardware, chains, hands and brass-shelled weights

MOVING MOON DIALS

...for the #P-1036 and P1882 Movements

- ♦ Raised corner spandrels and numerals
 ♦ Brass finished

#P-1036D... ♦ 9-27/32" wide x 13-7/8" high
 ♦ 7-7/8" brass finished chapter ring ...\$63.50 3+...\$59.50

#P-1584...Larger size ♦ 11" wide x 15-1/2" high
 ♦ 9-1/2" brass finished chapter ring ... \$66.50 3+...\$62.50

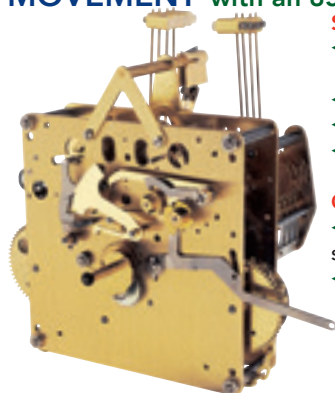


#P-1882D... With longer posts for the Hermle #P-1882 Movement with a 2" handshaft

- ♦ Fits Hermle movement #451-053 ♦ Brass finished ♦ 9-7/8" wide x 13-7/8" high
 ♦ 7-13/16" brass finished chapter ring, raised corner spandrels and numerals
 ...\$63.50 3+...\$59.50

Movements: Mechanical...37

HERMLE® GRANDMOTHER SIZE WESTMINSTER CHIME MOVEMENT with an 85 cm drop and 2 handshaft lengths!



Specifications: ♦ Rear mount hammers

- ♦ Plate size:
4-23/32" high x 4-23/32" wide x 1/16" thick
- ♦ Weights: (1) 6.6 lbs. (2) 4.7 lbs.
- ♦ Graham Escapement
- ♦ Handshaft lengths: 1-1/4" (Hermle #451-050.85) or 2" (Hermle #451-053.85)

Case Requirements:

- ♦ Minimum Width: 10" for wood stick pendulum swing; 12-1/2" for a lyre pendulum
- ♦ Pendulum Length: (centershaft to the bottom of the rating assembly)
29-1/2" with a wood stick pendulum, or
33-1/2" with a lyre pendulum (our #P1557 pendulum)

- ♦ Minimum height for 8-day operation: 38-1/2" from the bottom of the seatboard to the base

- ♦ Minimum depth: from the dial to the backboard: 5-1/2"

#P-1928M (Hermle #451-050.85) 1-1/4" handshaft...**

Movement only: ...\$Call 3+...\$Call

#P-1928C... Movement with all accessories* and a wood stick pendulum**

...\$Call 3+...\$Call

#P-1928CWL... Movement with all accessories* and a #P-1557 brass lyre pendulum**

...\$Call 3+...\$Call

#P-1997M* (Hermle #451-053.85) 2" Handshaft...**

Movement only: ...\$Call 3+...\$Call

#P-1997C*... Movement with all accessories* and a wood stick pendulum**

...\$Call 3+...\$Call

#P-1997CWL*... Movement with all accessories* and a #P-1557 brass lyre pendulum**

...\$Call 3+...\$Call

* **Accessories:** 8 rod gong set, mounting hardware, chains, hands and brass-shelled weights

** Uses a #P-1036D or #P-1584 dial (page 36)

*** Uses a #P-1882D dial (page 36)

2-WEIGHT VIENNA REGULATOR MOVEMENT (HERMLE® #241-840.75)

A quality 8-day weight driven movement for Vienna and other regulators.

- ♦ Complete with cable, brass pulleys, weights with brass shells, coil gong, hands, key, pendulum, a 7" diameter brass-trimmed enameled dial (with a 6" chapter ring) and beat scale
- ♦ Pendulum Length: 28" from the centershaft to the bottom of the rating assembly
- ♦ Minimum Case Width: 8" for pendulum swing
- ♦ Minimum Case Depth: Back mounted movement bracket adjusts from 3-3/4" to 4-1/4"
- ♦ Strike: Hour and half hour on a coil gong

#P-1515A... with a wood stick pendulum ...\$Call

#P-1515B... with a #P1547 lyre pendulum ...\$Call



38... Movements: Mechanical

AMERICAN-MADE 8-DAY BELL STRIKE TALL CLOCK MOVEMENT



...An expertly crafted American-made copy of an old American/English-style tall clock movement.

Use in your new case to achieve an authentic antique look and sound, or use it as a replacement in an antique case!

- ♦ 8-day cable-driven operation with the hour strike on a cast brass bell
- ♦ Seconds beat pendulum
- ♦ Heavy cut gears
- ♦ Plate Size: 5" wide x 6-1/2" high x 3/64" thick
- ♦ Min. case depth: 7" ♦ Pendulum Swing: 10"
- ♦ Pendulum Drop: 45-43/64" from the center-shaft to the bottom of the rating assembly

#P-53... Movement only ...\$995.00

#P-54... Movement complete with accessories: Pendulum, cast iron weights, cable, pulleys, brass bell, bell stand, winder, and seat board hooks. (Dial and hands are not included.)

...\$1095.00



STEEL DIAL POSTS for TALL CASE DIALS... These posts fit our P-53 movement or can be custom turned to fit all American and English tall clocks.

#P-1730... \$19.50 Set of 4



UNPAINTED STEEL DIALS AND DIAL PLATES FOR TALL CLOCKS ...Fits our #P-53 movement and many antique American & English movements.

American made!

Moon Phase / Date Wheel Dials...

High quality...matches the antique originals in every detail!

- ♦ Mounting posts included

#P-53.12D... 12" wide x 17" high

- ♦ Includes a moving moon disk with a date wheel \$225.00

#P-53.13D... 13-1/4" wide x 18-7/8" high

- ♦ Includes a moving moon disk with a date wheel \$225.00

Date Wheel Dials: No Moon phase...

#P-53.12PD... 12" wide x 17" high (not shown)

- ♦ with a date wheel and a solid top: no moon disk and no moon disk opening \$105.00

#P-53.13PD... 13-1/4" wide x 18-7/8" high (not shown)

- ♦ with a date wheel and a solid top: no moon disk and no moon disk opening \$105.00



#P-53.12D
#P-53.13D

Dial Plate... ♦ A flat dial plate ready to paint!

- ♦ Drilled for center shaft only
- ♦ Does not include mounting posts

#P-1322... 12" wide x 17" high..... \$20.00

#P-1323... 13-1/4" x 18-7/8" high \$21.50



#P-1322
#P-1323

Movements: Mechanical ...39

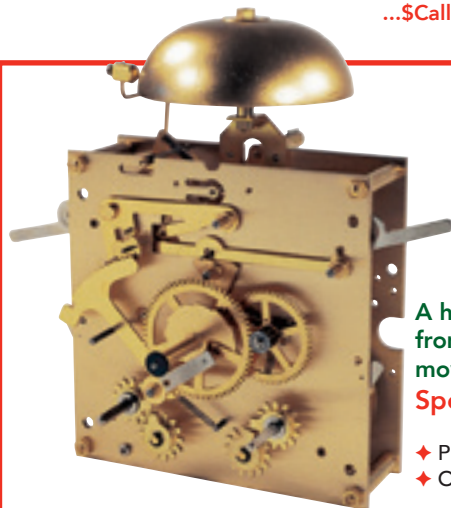
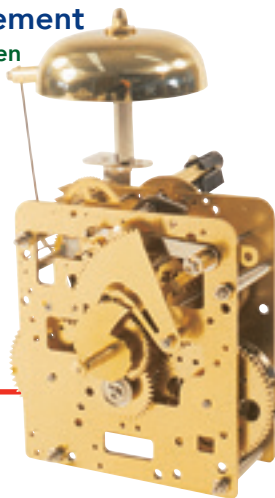
Hermle® Time & Strike Bell Strike Movement

(Hermle® #241-080.94) A value priced chain-driven 8-day movement from Germany!

- ♦ Works great in Shaker-style and narrow waisted clocks
- ♦ Minimum width for case swing: 9"
- ♦ Minimum case depth required: 4-1/2"
- ♦ Plates: 3-3/8" wide x 4" high
- ♦ Pendulum length: 34-1/2" from the centershaft to the bottom of the pendulum
- ♦ Includes two steel weights (4.7 lbs. ea.) and brass shells

#P-1539M... Movement only... ...\$Call 3+...\$Call

#P-1539C... Complete with weights, pendulum, and hands ...\$Call 3+...\$Call



KIENNINGER 8-DAY BELL STRIKE TALL CLOCK MOVEMENT

A high quality, cable-driven movement from one of Germany's finest movement makers!

Specifications:

- ♦ Seconds beat pendulum
- ♦ Plate size: 5-7/8" h x 5-7/8" w x 3/32" thick
- ♦ Overall size: 6-1/4" h x 8-1/2" w x 6-7/8" d

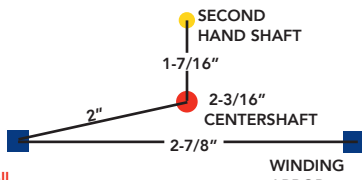
- ♦ Pendulum Length: 45-43/64" from the centershaft to the bottom of the rating assembly
- ♦ Pendulum Bob: 5-1/2" dia. polished brass
- ♦ Weights: (2) 14 lb. cast iron weights (#CW-5)

Case Requirements:

- ♦ Minimum width: 12-1/4" for pendulum swing
- ♦ Minimum depth: 7" from the dial to the backboard
- ♦ Minimum height for 8-day operation: 53" from the bottom of the seatboard to the base

#P-1126M... Movement only ...\$Call 3+...\$Call

#P-1126C... Movement Complete with Accessories: Pendulum, weights, hands, winder, pulleys, hardware, and pre-installed cable
...\$Call 3+...\$Call



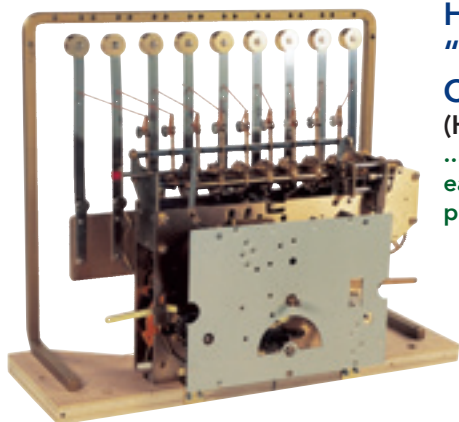
FALSE PLATE... Use this plate to mount the #P-1126 Kienninger Bell Strike Movement to virtually any dial!

- ♦ Complete with four mounting studs
- ♦ Use with either our #P-1322 or #P-1323 Dial Plates to create the look and feel of an authentic 18th century tall clock.

#P-1344... \$37.00

40...

Due to the rapid fluctuation of the EURO,
please call for current prices.

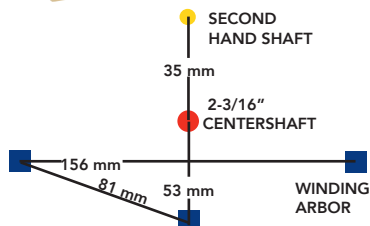


HERMLE CABLE-DRIVEN "FLAGSHIP" 9-TUBE TRIPLE CHIME MOVEMENT

(Hermle #1171-890)

...plays your choice of three tunes,
each exquisitely struck on nine
polished brass tubes!

- ◆ Your choice of St. Michael's, Whittington, and Westminster chimes
- ◆ Many built-in features: Automatic night shut-off, direct drive second hand
- ◆ 9 attractive brass tubes complemented by polished brass weight shells and a lyre pendulum with a 10-5/8" polished brass pendulum bob



Case Requirements & Specifications :

- ◆ Minimum depth: 8-5/8" from the dial to the backboard
- ◆ Minimum width: 16-7/8" for pendulum swing
- ◆ Minimum height for 8-day operation: 61-1/2" from the bottom of the seatboard to the base
- ◆ Plate size: 8-5/8" wide x 6" high x 3/32" thick
- ◆ Overall size: 14-1/8" wide x 12" high x 9" deep
- ◆ Chime tubes: Longest-59-5/8" Shortest-38"
- ◆ Seatboard (included): 15-3/4" long x 7-1/16" wide x 13/16" thick
- ◆ Weights: (1) 18.5 lbs. (2) 7.7 lbs., each 11" long x 2-3/8" diameter

Now available in two pendulum lengths...

#P-1124M... Hermle #1171-890/94: 39-1/2" (Measured from the centershaft to the bottom of the rating assembly) movement with seatboard, and tube frame only \$Call 3+...\$Call

#P-1124C... Movement complete with accessories* including a polished brass tube set... \$Call

#P-1374M... Hermle #1171-890/114: 45-3/4" (Measured from the center-shaft to the bottom of the rating assembly), with seatboard, and tube frame only \$Call 3+...\$Call

#P-1374C... Movement complete with accessories* including a polished brass tube set... \$Call 3+...\$Call

* **Accessories:** Includes 9-tube brass chime set, weights, hands, pulleys, lyre pendulum (#P-1043 with the 39-1/2" movement and #P-961 with the 45-3/4" movement), winder, and pre-installed cables



Moving Moon Dial for the #P-1039, #P-1124, #P-1373, and #P-1374 Movements

- ◆ Brass finished with raised brass numerals, spandrels, centerpiece, blue and gold moon disk
- ◆ 11" wide x 15-9/32" high
- ◆ 9-1/2" brass finished chapter ring
- ◆ Seconds bit #P-1039D... \$119.00 3+...\$115.00

Due to the rapid fluctuation of the EURO,
please call for current prices.

...41

HERMLE CABLE-DRIVEN TRIPLE CHIME GRANDFATHER MOVEMENT (Hermle Movement #1161-853)

...plays your choice of Westminster, Whittington, or St. Michael's on a 12-rod chime assembly at the quarter hour!

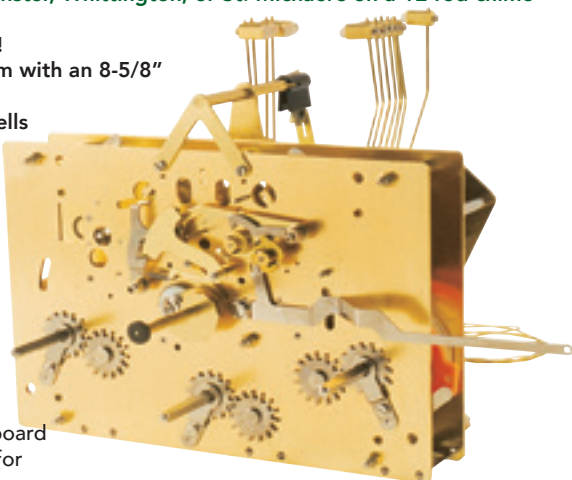
- ◆ Now with a second hand!
- ◆ Large brass lyre pendulum with an 8-5/8" diameter brass bob
- ◆ Polished brass weight shells
- ◆ Automatic night shut-off

Specifications:

- ◆ Plate size:
7-7/8" w x 5-1/2" h x
1/16" thick
- ◆ Weights: (1) 9.9 lbs.
(2) 7.7 lbs., each 11" long
x 2-3/8" diameter
- ◆ Graham Escapement

Case Requirements:

- ◆ Minimum depth: 8-3/8"
from the dial to the backboard
- ◆ Minimum Width: 15-3/8" for
pendulum swing
- ◆ Minimum height for 8-day operation: 39-1/2" from the
bottom of the seatboard to the base



Now available in two pendulum lengths...

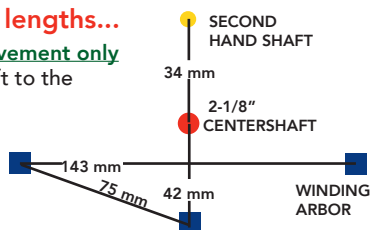
#P-1038M... Hermle #1161-853/94 Movement only

- ◆ 39-1/2" Pendulum length from the centershaft to the
bottom of the rating assembly

... \$Call 3+...\$Call

#P-1038C... Movement complete with
accessories: Weights, #P-1008 pendulum,
hands, installed cable, winder, chime rod
assembly, and mounting hardware

... \$Call 3+...\$Call



#P-1883M... Hermle # 1161-853/114 Movement only

- ◆ 45-3/4" Pendulum length from the centershaft to the bottom of the rating
assembly ... \$Call 3+...\$Call

#P-1883C... Movement complete with accessories: Weights, #P-1894 pendulum,
hands, installed cable, winder, chime rod assembly, and
mounting hardware ... \$Call 3+...\$Call

**Moving Moon Dial for the #P-1038 and
P-1883 movements and other Hermle movements
with a #1161 prefix ...now with a seconds bit!**

- ◆ Brass finished with a 9-1/2" diameter silvered
chapter ring and dial center
- ◆ Plastic corner spandrels
- ◆ Raised brass numerals
- ◆ 11" wide x 15-19/32" high

#P-1038D... \$72.00 3+... \$67.00 each



42... Movements: Mechanical

HERMLE CABLE-DRIVEN "FLAGSHIP" TRIPLE CHIME MOVEMENT (Hermle Movement #1171-850)

...plays your choice of three tunes on the quarter hours!

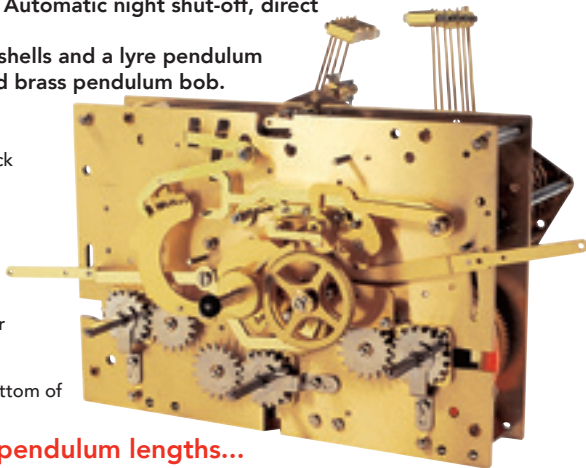
- ♦ Your choice of St. Michael's, Whittington, and Westminster chimes
- ♦ Many built-in features: Automatic night shut-off, direct drive second hand
- ♦ Polished brass weight shells and a lyre pendulum with a 10-5/8" polished brass pendulum bob.

Specifications:

- ♦ Plate size:
8-5/8" w x 6" h x 3/32" thick
- ♦ Weights: (1) 9.9 lbs.
(2) 7.7 lbs., each 11"
long x 2-3/8" diameter

Case Requirements:

- ♦ Minimum depth: 9" from the dial to the backboard
- ♦ Minimum Width: 16-7/8" for pendulum swing
- ♦ Minimum height for 8-day operation: 61" from the bottom of the seatboard to the base



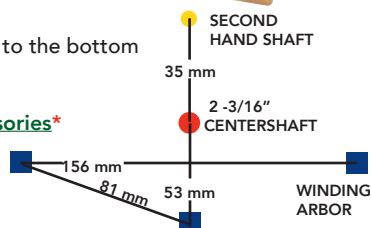
Available in two pendulum lengths...

#P-1039M... Hermle #1171-850/94

Movement only: ♦ 39-1/2" from the centershaft to the bottom of the rating assembly ...\$Call 3+...\$Call

#P-1039C... Movement complete with accessories* including a lyre pendulum (#P-1043)

...\$Call 3+...\$Call



#P-1373M... Hermle #1171-850/114

Movement only: ♦ 45-3/4" from the centershaft to the bottom of the rating assembly ...\$Call 3+...\$Call

#P-1373C... Movement complete with accessories* including a lyre pendulum (#P-961) ...\$Call 3+...\$Call

- ♦ **Flagship Accessories:** Includes chime assembly, weights, hands, pulleys, 10-1/2" lyre pendulum, winder, mounting hardware and pre-installed cables

Moving Moon Dial for the

#P-1039, #P-1124, #P-1373 and #P-1374 Movements

- ♦ Brass finished with raised brass numerals, spandrels, centerpiece, blue and gold moon disk
- ♦ 11" wide x 15-9/32" high
- ♦ 9-1/2" brass finished chapter ring
- ♦ Seconds bit

#P-1039D... \$119.00 3+... \$115.00 each



Dial Pans & Bezels ...43

American-Made BEZEL & DIAL PAN ASSEMBLY...

- ♦ With an attached latch and hinge
- ♦ Glass retaining tabs require soldering
- ♦ Complete with everything except glass
- #P-125....8-7/8" for 7" dials\$41.50
- #P-124....10-7/8" for 9" dials\$44.50
- #P-282....12-5/8" for 11" dials...\$55.50
- #P-123....13-1/8" for 11" dials ...\$55.50



Solid Brass American-Made BEZELS

Glass not included!

#P-60A	2-3/4"	\$14.25
#P-60C	3-1/8"	\$14.25
#P-60D	4"	\$14.75
#P-60E	4-1/2"	\$14.75
#P-60F	5"	\$15.50
#P-60G	5-1/4"	\$15.50
#P-60H	5-1/2"	\$15.50
#P-60W	5-5/8"	\$15.50
#P-60J	5-3/4"	\$15.50
#P-60K	6"	\$17.50

#P-60L	6-1/2"	\$17.50
#P-60M	8-5/8"	\$19.50
#P-60N	8-7/8"	\$19.50
#P-60P	10-1/2"	\$22.00
#P-60Q	10-7/8"	\$22.00
#P-60R	12-5/8"	\$29.00
#P-60S	13 1/8"	\$29.00

- ♦ Complete with unattached glass tabs, latch blank, and hinge.

SOLID BRASS BEZELS ...Completely assembled with installed glass...

#P-189	4 -1/2" diameter
#P-283	5" diameter
#P-190	5-1/8" diameter
#P-1010	5-1/4" diameter
#P-191	5-1/2" diameter

#P-192	5-5/8" diameter
#P-193	5-3/4" diameter
#P-194	6" diameter
#P-195	6-1/4" diameter
#P-196	6-3/8" diameter
#P-197	6-1/2" diameter

- Completely assembled...
- with the hinge and a flat glass soldered in place.
- Ready to install on your clock!

Your Choice ...\$19.75 each



CAST BRASS BANJO BEZEL

- ♦ Solid cast brass with a polished finish
- ♦ Attached solid brass hinge, glass tabs and knob
- ♦ 8-5/16" outside diameter
- ♦ Accepts a 7-1/4" diameter glass (not included)
- #P-2018... \$55.00

BANJO BEZELS... Reproduced from an original design, these bezels will fit the large spring-driven banjos produced by Ingraham, New Haven, and others.

- ♦ Solid brass, complete with unattached glass tabs, latch blank, and hinge
- #P-60T ...7" diameter #P-60U ...7-1/2" diameter Your Choice ... \$19.50

Order 24 hours a day...
www.merritts.com

44... Dials/Dial Pans/Bezel Combos

KITCHEN CLOCK DIAL PANS

#P-336 ...

- ♦ 6-3/8" diameter for a 5" dial with a small center hole

♦ Solid Brass
...\$16.50

#P-391 ...with a scalloped alarm opening

- ♦ 6-3/8" diameter for a 5" dial
- ♦ Brass plated
...\$14.50



BEZEL LATCH...

No soldering required! Installs on one of our bezels in a matter of minutes.

#P-242 ...\$3.00 each 6 for \$15.00

20-PIECE BRASS TAB ASSORTMENT



A useful assortment... just what you need to secure glass in a brass bezel!

#P-1518... \$3.50 assortment

AMERICAN-MADE BRASS PLATED DIAL PANS

- #P-61A ..4-3/4" for 4" dials \$11.50
- #P-61B ..5" for 4" dials \$11.50
- #P-61C ...5-1/4" for 4-1/2" dials ... \$11.50
- #P-61D ...5-1/2" for 4-1/2" dials ... \$11.50
- #P-61E ..5-3/4" for 5" dials \$11.50
- #P-61F ..6" for 5" dials \$11.50
- #P-61G ..6-3/8" for Kitchen Clocks with 5" dials \$14.00
- #P-61M ..8-5/8" for 7" dials \$16.50
- #P-61J ...10-7/8" for 9" dials \$18.75
- #P-61K ...12-5/8" for 11" dials \$19.50
- #P-61L ...13-1/8" for 11" dials \$20.00

BRASS GLASS RETAINING RING... A 12-3/8" diameter ring used to retain the top glass on Seth Thomas #2 and other regulators

#P-205 ...\$29.50

BEZEL/DIAL/CONVEX GLASS COMBOS for quartz movements...

- ♦ Complete with a steel mounting plate. Simply screw the predrilled plate to your clock to mount the dial.

- ♦ After installation of the movement and hands, the bezel and glass securely snap into place!

- ♦ Real convex glass....NOT plastic!

#P-1946A... ARABIC ♦ Overall dia.: 6-1/4"

♦ Chapter ring: 5-3/8"

#P-1946R... ROMAN ♦ Overall dia.: 6-1/4"

♦ Chapter ring: 5-3/8"

Your choice \$23.00 each 3+... \$22.00 each

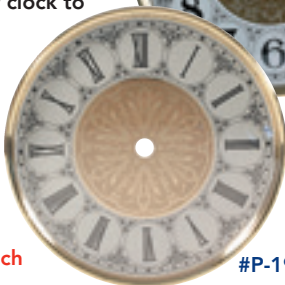
#P-1947A... ARABIC ♦ Overall dia.: 7-7/8" ♦ Chapter ring: 7-1/16"

#P-1947R... ROMAN ♦ Overall dia.: 7-7/8" ♦ Chapter ring: 7-1/16"

Your choice \$26.00 each 3+... \$25.00 ea.



#P-1947



#P-1946

Dials ...45



...#P-791A

New and Improved! BLACK MANTEL BEZEL & DIAL COMBO

Copied exclusively for
Merritt's from an antique
original, this assembly will fit
90% of the existing
Black Mantel clocks



#P-791D...

- ♦ #P-791A... White dial with an embossed dial and pan assembly
- ♦ 5-5/16" diameter dial pan complete with an installed hinge, bezel and glass tabs
- ♦ It uses a 5-1/2" diameter glass: not included

#P-791A... Bright finish

#P-791D... Antique finish

Your Choice....\$19.50 ea. 3+...\$18.00 ea 12+...\$17.00 ea.

#P-791G... 5-1/2" flat glass.... \$3.25



Restore your old "Royal Mariner" with
high quality Hermle® replacement parts!

Hermle® "Mariner" Dial...

Use with the #P-1587 false plate to replace your old
"Royal Mariner" movement with our #P-1252 Hermle®
Ship's Bell Strike Movement*

- ♦ Painted white with black numerals and a 4-3/4" chapter ring
- ♦ Predrilled for the winding arbors, centershaft, +/- lever and silencing lever
- ♦ 5-5/8" overall dial diameter

#P-1588... \$13.00 ea.

False Plate Adapts the Hermle® #130, #131, and
#132 series movements to your old Royal Mariner
case or any other style case

- ♦ Mounting studs are preattached!
- ♦ 5-5/8" diameter predrilled plate

#P-1587... \$Call

GENUINE PORCELAIN DIALS & CENTERS for ANSONIA CLOCKS... Exact two-piece copies fired on copper just like the antique originals: complete with the Ansonia logo

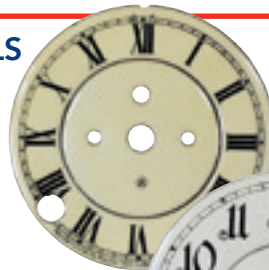
#P-1531... 4" dia. with Roman numerals

- ♦ Antique ivory

#P-1532... 4-3/4" dia. with Arabic numerals

- ♦ White

Your Choice... \$29.00 ea. 2 for \$50.00



#P-1531



#P-1532

46... Dials



#P-930



#P-943



#P-944



#P-1176

Brass Finished Bracket Clock Dials... Available with Arabic or Roman numerals and contrasting corner spandrels!

- #P-930... ♦ 6" dia. chapter ring ♦ 7-7/8" x 7-7/8"
♦ Arabic numerals ...\$24.50 each
- #P-943... ♦ 6" dia. chapter ring ♦ 7-1/2" x 7-1/2"
♦ Roman numerals ...\$15.00 each
- #P-944... ♦ 6" dia. chapter ring ♦ 7-1/2" x 7-1/2"
♦ Arabic numerals ...\$11.75 each
- #P-1176... ♦ 6" dia. chapter ring ♦ 7-1/4" x 7-1/4"
♦ Arabic numerals ...\$7.50 each

ALUMINUM DIALS Choose from two antique finishes in two sizes

#P-2202... 4-1/2"- Arabic numerals with a light antique finish ♦ 4" dia. chapter ring
...\$5.50

#P-2215... 6"- Arabic numerals with a light antique finish ♦ 5-3/4" dia. chapter ring
...\$7.50

#P-2203... 4-1/2"- Roman numerals
with a distressed dark antique finish
♦ 3-7/8" dia. chapter ring
...\$5.50

#P-2216... 6"- Roman numerals
with a distressed dark antique finish
♦ 5-1/2" dia. chapter ring
...\$7.50



Unique Antique-finished Aluminum

Dials... With a unique antique finish that replicates the look of age on a durable aluminum dial

- ♦ Uses the latest in printing technology to bond the antique dial image to the aluminum dial pan
- ♦ Made with a raised dial and pan edge to replicate the look of an antique dial pan



#P2175... Antique ivory:
6-1/2" diameter \$10.75



#P2179... Antique gold:
6-1/2" diameter \$10.75



DIALS FOR BATTERY OR MECHANICAL MOVEMENTS...

Silkscreened aluminum using state of the art printing technology to achieve a realistic, antiqued effect

- #P-1579A... ♦ 11" x 11" ♦ Darkened antique cracked finish ♦ 10-1/8" dia. chapter ring
 #P-1580... ♦ 11" x 11" ♦ Antique cracked finish ♦ 9-1/2" diameter chapter ring

Your Choice, Mix or Match... Only \$9.75 each 3+... \$8.50 each

Embossed Brass-finished Aluminum

Dial... With embossed spandrels, numerals, and dial center giving you the appearance of our more costly dials with applied features!

- ♦ For wall clocks and bracket clocks
 ♦ 9-7/8" square with a 8-1/4" silver-finished chapter ring and Arabic numerals

#P-1512... \$12.00 each 3+...\$11.25 each



REPLACEMENT WOODEN CUCKOO DIALS

Factory direct replacements that will match the old originals!

- ♦ Stained brown
 ♦ White numerals



4-1/2"

ALUMINUM DIAL

Finished with the look of black marble

#P2177...

4-1/2" diameter ...\$6.00

#P-822... 7 cm overall dia. (2-3/4") ...\$7.50

#P-823... 9 cm overall dia. (3-9/16") ...\$11.50

#P-824... 11 cm overall dia. (4-5/16") ...\$11.50

REPLACEMENT CUCKOO DIALS

Factory direct replacements

PLASTIC with a dark brown edge and center, plus a blackened chapter ring:

#P-1409... 6 cm overall dia. (2-3/8") ...\$2.00

#P-1410... 7 cm overall dia. (2-3/4") ...\$2.00

#P-1411... 8 cm overall dia. (3-3/16") ...\$2.00

WOOD with a dark brown stain overall:

#P-1412... 9 cm overall dia. (3-9/16") ...\$6.00

#P-1413... 10 cm overall dia. (4") ...\$6.50



48... Dials

PAINTED STEEL DIALS... Copied from antique originals, these are perfect replacements for American clocks with damaged dials. Each is painted on metal in an authentic off-white color!



For American Cottage Style Clocks...

Your Choice:
\$10.75 each
3+...\$10.00 ea.

- #P-680... 6-1/4" square, 5" dia. chapter ring
- #P-889... 6-3/4" square, 5" dia. chapter ring
- #P-888... 6-3/4" sq., 5 1/2" dia. chapter ring
- #P-887... 7-1/4" sq., 5 1/2" dia. chapter ring

For #5 Banjo Clocks:

#P-318...

- ♦ 7-1/2" dia.
 - ♦ 6-3/8" chapter ring
- ...\$17.00 each



For School Clocks:

#P-710.1...

- ♦ 11-5/8" dia.
 - ♦ 11" chapter ring
 - ♦ No seconds bit
- ...\$18.00



For Regulators:

For Steeple Clocks:

#P-340...

For 8-day steeple clocks

- ♦ 9-3/8" L x 6-1/2" W
- ♦ 5" chapter ring

#P-447...

For 30-hour steeple clocks

- ♦ 8" L x 5-3/4" W
- ♦ 4-1/8" chapter ring

Your Choice: \$10.25 ea.

3+...\$9.75 ea.



#P-710.2...

- ♦ 12-3/8" dia.
 - ♦ 11" chapter ring
 - ♦ 2" from the center-shaft to the seconds bit
- ...\$17.00

#P-710.3...

- ♦ 12-3/8" dia.
 - ♦ 11" chapter ring
 - ♦ 1-3/4" from the centershaft to the seconds bit
- ...\$17.00



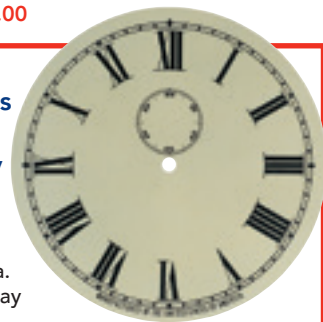
#P-710.4...

- ♦ 12-3/8" dia. for Regulators
 - ♦ 1-3/4" from the centershaft to the seconds bit
- ...\$17.00

For Regulators and Thirty-day Clocks:

#P-710.5 ...

- ♦ 11-5/8" dia. for thirty-day clocks
 - ♦ 2-1/4" from the centershaft to the seconds bit
- ...\$17.00



For American Ogee Clocks:

With red and green spandrels and contrasting black numerals

#P-291.8 for 8-day Ogee Clocks

- ♦ 9-1/2" square ♦ 8" chapter ring

#P-291.30 for 30-hr. Ogee Clocks

- ♦ 8-1/2" square ♦ 7-1/4" chapter ring

Your Choice:

\$12.50 ea.

3+...

\$12.00 ea.



Dials/Grommets/Arbors ...49



PAINTED STEEL DIAL...

Copied from an antique original

For Beehive & Cottage clocks...

#P-892... ♦ 6-1/2" diameter ♦ 5" chapter ring

#P-2022... ♦ 7" diameter with a 5-1/2" chapter ring

♦ Replaces #P-891

Your Choice: \$11.00 each 3+... \$10.50 ea.



6-1/2" DIAMETER VIENNA REGULATOR CLOCK DIAL...

An elegantly simple dial with a raised, brass-finished rim and center ring

♦ For use with quartz movements.

♦ Aluminum with a white dial finish that simulates the look of porcelain and contrasts richly with the black Roman numerals

♦ An attractive alternative when you are replicating a traditional Vienna styled clock or designing a contemporary timepiece

#P-1916... \$5.50 each 3+... \$5.00 each

VIENNA REGULATOR DIAL WASHER AND CLIPS

...Extends through your dial and clips on the back just like antique originals!

#P-2155... ♦ 7.5mm hole required

#P-2156... ♦ 8mm hole required

#P-2157... ♦ 10mm hole required

Set of 1 Clip
& 1 Washer

...\$2.00 each 3+... \$1.75 each



KEYHOLE GROMMETS... Easy-to-install dial protection!



24-Piece Grommet Assortment...

A versatile German-made assortment of 12 different sized grommets (2 each style)

#P-792 ...Only \$8.50 Assortment



Solid Brass... ♦ 3/8" inside dia.

♦ 1/2" outside dia.

#P-90 ...\$1.50 doz. \$12.00 gross



Solid Brass... perfect for
many 30-hour shelf clocks

♦ 7/16" inside diameter

♦ 9/16" outside diameter

#P-1161...\$1.50 doz.

\$12.00 gross



Large Keyhole Grommets for Grandfather
and Moribier Clocks ♦ 3/4" outside dia.

♦ 1/2" inside dia. #P-308 ... \$2.75 dozen

FAKE WINDING ARBORS...

Make any clock look like a key
wound movement!

♦ Simply fill the empty holes in a dial
with these fake arbors and your
clock will look like it is key wound!

♦ Arbors are 5/32" square and are available
in three arbor lengths:

#P-1893A... 7/32" long

#P-1893B... 1/2" long

#P-1893C... 15/16" long

Your Choice

\$3.00 pair

12+ pairs...

\$2.00 pr.



ARBOR DIAL STABILIZER

♦ Simply slide a stabilizer over
each winding arbor. The stabilizer
end extends through the winding holes in
your dial to facilitate the proper
alignment of your movement and dial
within your clock's case.

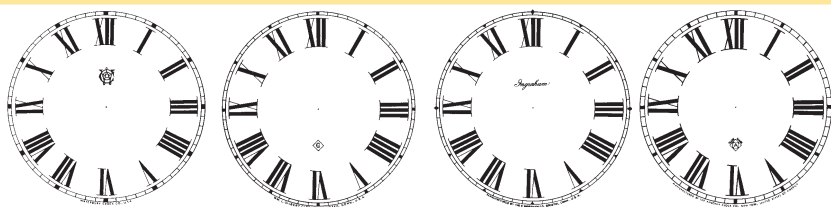
♦ Reusable: made from durable plastic

#P-1391...

Pack of 12 ...\$8.50



50... Dials



TRADEMARK DIALS... Excellent replacement dials for kitchen clocks

♦ 5" clock dials reproduced from antique originals! Printed on highest quality white or antique ivory card stock...Please specify Color!

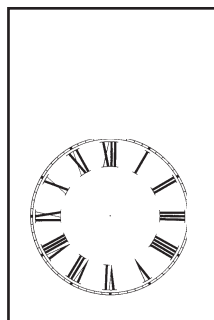
#ATM-500... Ansonia Clock Co.

#GTM-500... Gilbert Clock Co.

#WTM-500... Waterbury Clock Co.

#ITM-500... E. Ingraham Clock Co.

Your choice...Only \$ 1.50 each \$9.00 dozen Any 100...\$45.00, Mix or Match



STEEPLE CLOCK DIALS

...Available in two sizes;

White or Antique Ivory

#SR-500... 5" dia. time track

#SR-425... 4-1/4" dia. time track

...\$1.50 each \$9.00 dozen

All of Merritt's paper dials are printed on high quality card stock!

Please specify White or Antique Ivory where applicable.

Paper Ogee Dials ...

MULTI-PURPOSE SPRAY ADHESIVE

Great for mounting paper clock dials!



- ♦ Also bonds plastics, cardboard, fabric, foam, metal and foil
- ♦ Fast tack
- ♦ Dries quick and clear
- ♦ Repositional for one minute before forming a permanent bond
- ♦ Large 16-1/4 oz. can
- #P-2016... \$12.50



#OG-2....♦ 7" dial w/ green corner spandrels

♦ Antique Ivory stock

#OG-2W....♦ 7" dial w/ green corner spandrels

♦ White stock

#OG-3W ... ♦ White stock

♦ 7-1/2" dial with a rose and green floral corner design

Your choice: \$1.50 each \$9.00 dozen

Order 24 hours a day...
www.merritts.com

Date Strip Sets for Ithaca Calendar Clocks...

Small: ♦ 2-1/4" wide w/1-3/4" wide month/day lettering

Large: ♦ 4-1/4" wide w/2-7/8" wide month/day lettering

#P-1334A... Small ivory strip set

#P-1334W... Large ivory strip set

#P-1335A... Small white strip set

#P-1335W... Large white strip set

Your Choice \$4.50 set



Dials & Labels...51



24-PIECE PAPER DIAL ASSORTMENT

12 different paper dials in a useful range of sizes!

- ♦ Roman and Arabic numerals... plain, calendar and trademark dials... all printed on card stock in shades from white to dark antique
- ♦ Values up to \$1.50 each

#P-1871... 24 different paper dials: 1-3/4" to 6" dia.
...\$9.25

#P-1874... 24 different paper dials: 7" to 11" dia.
...\$12.50

12-PIECE PAPER LABEL ASSORTMENT

12 all different paper labels for a variety of clocks!

- ♦ Waterbury, Seth Thomas, Welch, Spring & Co., Sessions, E.N. Welch, Jerome and Co., New Haven, Ansonia, Ingraham, Eli and Henry Terry, Ithaca, and more
- ... all printed on antique looking paper in shades from light brown to dark brown

#P-1870... \$10.75 assortment



High Quality PAPER MOON DISK for Herschede, German Elite, Elliotts of London and other American & English grandfather clocks

- ♦ Glues on to your moon disk like any other paper dial
- ♦ 3 sizes will accommodate most early and late clock dials
- ♦ Printed on your choice of glossy or matte photographic quality card stock. If you are going to "antique" the paper surface select matt: glossy stock will not accept antiquing solutions.



For moon disks: 7-5/8" to 8-1/8" diameter...

#P2100... Glossy: 7-7/8" diameter #P2101... Matte: 7-7/8" diameter

For moon disks: 8" to 8-1/2" diameter...

#P2102... Glossy: 8-1/4" diameter #P2103... Matte: 8-1/4" diameter

For moon disks: 8-3/8" to 8-7/8" diameter...

#P2104... Glossy: 8-5/8" diameter #P2105... Matte: 8-5/8" diameter

\$15.00 each 3+ of same size/finish... \$12.50 each

ADHESIVE BACKED TALL CLOCK DIAL

A beautiful, economical adhesive replacement for flaky old tall clock dials, or create your own clock by attaching this dial to a backing board and then fitting a quartz or mechanical movement to it!

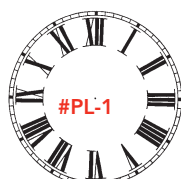


- ♦ Dial: 12" wide x 17" high printed on 13" x 20" self-adhesive stock
 - ♦ Mounting and backboard preparation instructions included
 - ♦ Hands to seconds bit: 2" ♦ 10" chapter ring
 - ♦ Very high quality design and color reproduction: this dial absolutely looks like an antique original!
 - ♦ Self-adhering backing bonds to most surfaces: requires a minimum of tools and preparation to create a lovely dial!
 - ♦ Also great for Wag-On-The-Wall clocks
- #P-1747... with seconds bit
#P-1747B... without seconds bit
Your Choice \$31.50 ea. 3+... \$29.50 each

52...Dials

PORCELAIN-TYPE DIALS...

An unsurpassed alternative for damaged porcelain dials. These dials are the very finest alternative to real porcelain: photo offset printed on chrome coat stock and then hand laminated to replicate the original lustre and depth of fired porcelain. This process creates the closest resemblance to real porcelain that is possible!



#PL-1

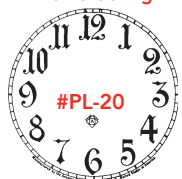


#PL-2



#PL-12

Please specify size when ordering!



#PL-20



#PL-23



#PL-35

Your Choice.....\$5.00 each

Any 3 dials ...\$4.50 each 12+ ...\$4.00 each

#PL-1... Most commonly used on French, German, and American clocks: from small mantels to weight and spring-driven regulators.

♦ Bold Roman numerals

♦ Plain center which can be left uncut for one-piece dials or removed for a two-piece dial

#PL-1A... 2-3/4" #PL-1B... 3-1/4" #PL-1C... 3-1/2"

#PL-1D... 3-3/4" #PL-1E... 4-1/8" #PL-1F... 4-1/4" #PL-1G... 4-1/2"

#PL-1H... 4-3/4" #PL-1M... 5" #PL-1J... 6-1/4" #PL-1K... 6-7/8"

#PL-2... Most commonly used on French and German mantel clocks and German spring-driven regulators.

♦ Short Roman numerals

♦ Plain center can be left uncut or removed for two-piece dials

#PL-2A... 2-3/4" #PL-2B... 3" #PL-2C... 3-1/4" #PL-2D... 3-1/2" #PL-2E... 3-3/4"

#PL-2F... 4" #PL-2G... 4-1/4" #PL-2H... 5" #PL-2M... 5-1/4" #PL-2J... 5-3/8"

#PL-2K... 6-1/4"

#PL-12... Most commonly used on French mantel clocks

♦ Plain center can be left uncut or removed for two-piece dials.

#PL-12A... 2-3/4" #PL-12B... 3" #PL-12C... 3-1/4" #PL-12D... 3-1/2"

#PL-12E... 3-3/4" #PL-12F... 4" #PL-12G... 4-1/4" #PL-12H... 4-1/2"

#PL-12M... 4-3/4" #PL-12J... 5-1/8" #PL-12K... 5-3/8" #PL-12L... 5-1/2"

#PL-20... Ansonia trademark dial with the logo in the center and trademark information below the chapter ring.

♦ For one or two-piece dials #PL-20A... 2-3/4" and #PL-20B... 4-3/8"

#PL-23... Ansonia trademark dial commonly used on figural and porcelain cased clocks: includes "slow/fast" indicator

♦ Available in only 3"

#PL-35... Most commonly used on French and American clocks, various models

#PL-35A... 2-7/8" #PL-35B... 3" #PL-35C... 3-1/4" #PL-35D... 3-1/2"

#PL-35E... 3-3/4" #PL-35F... 4" #PL-35G... 4-1/4"

PORCELAIN-TYPE PENDULUM CENTER...

Made by the same high quality photo-offset lamination process as our Porcelain-Type dial!

#PL-18... R/A Pendulum Center for the replacement of damaged pendulum inserts on German spring-driven regulators

♦ Design dimensions: 1-1/2" wide x 1-5/8" high

#PL-18...\$5.00 ea. 3+...\$4.50 ea. 12+...\$4.00 ea.



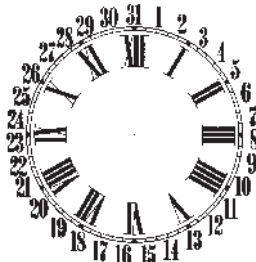
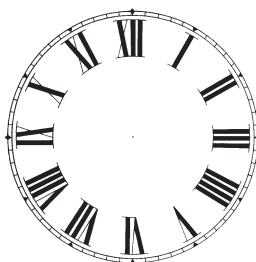
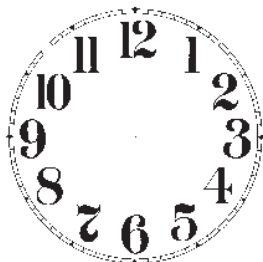
Paper Dial Cutter... Allows you to neatly and accurately cut perfect circles from 2" to 16" diameters! #P-182...\$11.50



#P-182B... Extra Dial Cutter Blades ... 3 for \$2.00

Dials, Numerals...53

All of Merritt's paper dials are printed on highest quality card stock!
 These Arabic, Roman, and Calendar Dials are available in either
 White or Antique Ivory. *Please specify the color you desire.*



Arabic Numeral Dials...

Catalog #:	Size:	Price Each:	Dozen Price:
#A-400	4"	\$1.50	\$9.00
#A-450	4 1/2"	\$1.50	\$9.00
#A-500	5"	\$1.50	\$9.00
#A-600	6"	\$1.50	\$9.00
#A-700	7"	\$1.50	\$9.00
#A-800	8"	\$1.50	\$9.00
#A-900	9"	\$1.50	\$9.00
#A-1000	10"	\$1.50	\$9.00

Roman Numeral Dials...

Catalog #:	Size:	Price Each:	Dozen Price:
#R-350*	3 1/2"	\$1.50	\$9.00
#R-400	4"	\$1.50	\$9.00
#R-450	4 1/2"	\$1.50	\$9.00
#R-500	5"	\$1.50	\$9.00
#R-600	6"	\$1.50	\$9.00
#R-700	7"	\$1.50	\$9.00
#R-800	8"	\$1.50	\$9.00
#R-900	9"	\$1.50	\$9.00
#R-1000	10"	\$1.50	\$9.00
#R-1100	11"	\$1.50	\$9.00

* #R-350 available only in white

Calendar Dials...

Catalog #:	Size:	Price Each:	Dozen Price:
#C-500	5"	\$1.50	\$9.00
#C-900	9"	\$1.50	\$9.00

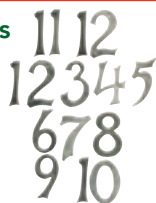
Catalog #	Size:	Price Each:	Dozen Price:
#C-700	7"	\$1.50	\$9.00
#C-1100	11"	\$1.50	\$9.00

Paper Dial Special: Mix or Match, Any 100 Dials Only \$45.00

NUMERAL SETS... Complete sets of metal numerals for one clock face, numbers 1 to 12!

For Mission Clocks... ♦ Large numerals: 1-9/16" ave. height

- ♦ Supplied unfinished: ready to paint or use with the natural silver finish
- ♦ Includes attached mounting nails #P-1366... \$13.50 set



For Mission shelf clocks, Hickory Dickory Dock and others

- ♦ Medium numerals with a brass finish ♦ 7/8" average height
- ♦ Includes attached mounting nails #P-1408... \$13.50 set

For Grandmother Clock Dials... ♦ Medium numerals: 1-1/8" high.

- ♦ Anodized aluminum with a gold finish
- ♦ Simply apply adhesive and position! #P-1601... \$5.00 set



For Grandfather Clock Dials... ♦ Larger numerals: 1-5/16" high.

- ♦ Anodized aluminum with a gold finish
- ♦ Simply apply adhesive and position! #P-1602... \$5.00 set



For Cuckoo Clocks ... ♦ Eight plastic numeral sets in assorted sizes, 9 to 28 mm. #P-339 ... \$44.25 Set

54...Hands

SECOND HANDS FOR QUARTZ MOVEMENTS...

For use with 5" dials... ♦ 2-1/2" from the tip of the hand to the shaft

#P-2167A...

♦ 3-5/8" overall length

#P-2167B... Black finish

Brass finish ...\$1.00

...\$1.00

Traditionally styled...

♦ 1-7/16" from the tip of the hand to the center of the mounting hole

#P-1924... \$1.00 each \$6.00 dozen

1-3/4" INTERMEDIATE SIZE SWEEP SECOND HAND...

♦ 1-3/4" from the tip to the center of the mounting tube

♦ The tube on this hand has a slightly larger interior diameter. It can be gently crimped for use with smaller sweep second hand shafts.

#P-2188... \$1.00 each \$6.00 dozen

#P-1869... BLACK FINISH ♦ 5" from tip to centershaft hole for 10" dials

\$1.00 each \$6.00 dozen

#P-1185 ... RED FINISH ♦ 4-1/2" from tip to centershaft hole \$1.00 each \$6.00 doz.

♦ 3-1/2" from tip to centershaft hole

Choice of 2 finishes:

#P-790B... BLACK FINISH

#P-790A... BRASS FINISH

\$1.00 each \$6.00 dozen

LARGE SPADE HANDS for HIGH TORQUE QUARTZ MOVEMENTS...

♦ Large aluminum hands ready to mount to our #P-1561WP or #P-1561 High Torque "C" Pendulum movements or the #P-2089 High Torque Mini-Quartz movement

♦ Minute Hand: with opening for standard "I" shaft movements.

♦ Hour Hand: Brass bushed. 13-5/16" ♦ Black finish

#P-2090... ♦ For 28" dials ♦ Hour Hand: 10-5/16" long

♦ Minute Hand: 13-3/4" from shaft hole to hand tip ...\$8.25

#P-2091... ♦ For 35-1/2" dials ♦ Hour Hand: 11" long

♦ Minute Hand: 17-3/4" from shaft hole to hand tip ...\$9.25

SPADE HANDS

for HIGH

TORQUE MOVEMENTS

♦ Aluminum hands with a black finish:

scored the length of the hand for strength and stability!

♦ Bushed hour hand and an "I" slotted minute hand

#P-1568... Minute hand 10" long for 20" dials ...\$7.50 pair

#P-1569... Minute hand 12" long for 24" dials ...\$8.00 pair

Extra Large Counter-Balanced Hands for use with High Torque

Quartz Movements... Steel hands finished in black and bushed for German high torque movements. Just broach the hour hand slightly to fit American and Japanese movements! #P-1890...Straight Hands to fit 35" dials ♦ Hour Hand: 13" long

♦ Minute Hand: 17-5/8" long ...\$7.50

Versatile "I" Shaft Hands for Quartz Movements...

Will fit most battery movements!

Your Choice: \$1.00 pr. 12 pr...\$6.00

When selecting the correct hand for your dial, please consider...

- The minute hand length is usually half or less than half of the chapter ring diameter.
- It is easier to read the time when the end of the minute hand is fully extended to the dial minute track, but not beyond it.

#P-2036...

- Black finish
- 1" minute hand



#P-2113...

- Black finish
- 1-3/8" minute hand



#P-1287...

- Brass finish
- 1-3/4" minute hand



#P-787...

- Black finish
- 1-3/4" minute hand



#P-780...

- Black finish
- 2-1/16" minute hand



#P-788...

- Black finish
- 2-3/8" minute hand



#P-1677...

- Black finish
- 2-1/2" minute hand



#P-1491...

- Black finish
- 2-1/2" minute hand



#P-2191...

- Black finish
- 2-11/16" minute hand



#P-781A...

- Brass finish
- 2-3/4" minute hand



#P-782...

- Black finish
- 3" minute hand



#P-783...

- Brass finish
- 3" minute hand



#P-783B...

- Black finish
- 3-1/8" minute hand

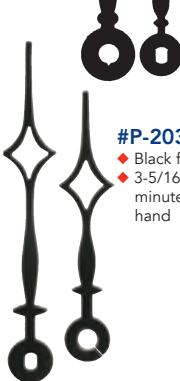
#P-1183...

- Black finish
- 3-1/8" minute hand



#P-781B...

- Black finish
- 2-3/4" minute hand



#P-2035...

- Black finish
- 3-5/16" minute hand



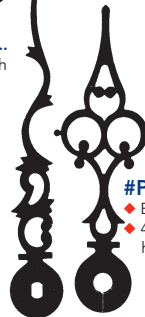
#P-1182...

- Black finish
- 3-7/16" minute hand



#P-1184...

- Black finish
- 4" minute hand



#P-785...

- Black finish
- 4-1/8" minute hand

#P-1286...

- Black Finish
- 4-1/4" minute hand



More I-shaft hands on page 56...

All hand measurements are made from the center of the hole to the tip of the hand.

56...Hands

Versatile "I" Shaft Hands for Quartz Movements...

Will fit most battery movements!

Your Choice: \$1.00 pr. 12 pr...\$6.00

When selecting the correct hand for your dial, please consider...

- The minute hand length is usually half or less than half of the chapter ring diameter.
- It is easier to read the time when the end of the minute hand is fully extended to the dial minute track, but not beyond it.

#P-2190...

- Black finish
- 4 -1/2" minute hand



#P-786...

- Black finish
- 4 -3/4" minute hand



#P-970...

- Large Quartz Movement Hands
- Black Finish
- 5" min. hand



#P-2033...

- Large Quartz Movement Hands
- Black finish
- 5-7/16" minute hand



#P-994... Extra Large Quartz Movement Hands...

Must be used with a high torque movement

- Black Finish
- 7" minute hand

\$2.00 pair
12+ pr...
\$1.75 pair



AMERICAN-STYLE HANDS FOR MECHANICAL MOVEMENTS...

Available for a variety of dial sizes...

#P-85 Series Maltese Hands...

#P-85.4B	for 4" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-85.4S	for 4" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-85.4SB	for 4-1/2" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-85.4SS	for 4-1/2" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-85.5B	for 5" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-85.5S	for 5" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-85.11B	for 11" dials, oblong hole	\$3.50 pair	 12 pr..\$36.00
#P-85.11S	for 11" dials, square hole	\$3.50 pair	 12 pr..\$36.00



#P-89 Series Spade Hands...

#P-89.4S	for 4" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-89.4B	for 4" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-89.4SB	for 4-1/2" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-89.4SS	for 4-1/2" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-89.5B	for 5" dials, oblong hole	\$2.00 pair	 12 pr..\$16.25
#P-89.5S	for 5" dials, square hole	\$2.00 pair	 12 pr..\$16.25
#P-89.7B	for 7" dials, oblong hole	\$2.25 pair	 12 pr..\$17.00
#P-89.7S	for 7" dials, square hole	\$2.25 pair	 12 pr..\$17.00
#P-89.9S	for 9" dials, square hole	\$2.75 pair	 12 pr..\$24.00
#P-89.11S	for 11" dials, square hole	\$3.00 pair	 12 pr..\$30.00
#P-89.11B	for 11" dials, oblong hole	\$3.00 pair	 12 pr..\$30.00



LUX CLOCK HANDS... Metal with a white enameled finish to match original LUX hands ♦ 1" Minute hand is brass bushed

#P-1250... \$1.50 pr. 3 pr...\$3.75 12 pr...\$12.00



FOR MECHANICAL MOVEMENTS...

MOON-STYLE HANDS...

Reproduced from an antique pair of hands for an 11" dial

- ♦ Brass hour hand bushing
- ♦ Black oxide finish
- ♦ Minute hand: 5-3/8" long
- ♦ Hour Hand: 4-5/8" long
- ♦ Available with a square or oblong minute hand hole:

#P-303S... Square hole

#P-303B... Oblong hole

Your Choice... \$2.75 pr.

12 pair ...\$27.00



MOON-STYLE HANDS...

Reproduced from an antique pair of hands for a 5" dial

- ♦ Brass hour hand bushing
- ♦ Available with a square or oblong minute hand hole

#P-328S ...Square hole

#P-328B... Oblong hole

Your Choice... \$2.00 pr.

12 pair ...\$18.00



STEEL CLUB HANDS

- ♦ Steel hands with a square minute hand hole (may require filing to match the size of your handshaft)
- ♦ Supplied with a brass hour hand bushing (may require installation)

#P-1357A... for 5" dials

- ♦ Minute hand: 2-1/2"

#P-1357B... for 7" dials

- ♦ Minute hand: 3-1/2"

#P-1357C... for 3" dials

- ♦ Minute hand: 1-1/2"

#P-1357D... for 3-1/2" dials

- ♦ Minute hand: 1-3/4"

#P-1357E... for 4" dials

- ♦ Minute hand: 2-1/8"

#P-1357F... for 4-1/2" dials

- ♦ Minute hand: 2-3/16"

Your Choice...

\$2.75 pr.

12 pair ...

\$27.00



REGULATOR "A" HANDS

An exact copy of the hands used on the Ansonia Regulator "A" of the late 1800's

- ♦ for 11" dials
- ♦ Square minute hand hole

#P-99... \$2.75 pair

3 pair ...\$7.50



All hand measurements are made from the center of the hole to the tip of the hand.

#P-1678...

#P-86...

#P-276...

#P-1218...

#P-1678...

Steel Terry Eagle Style

- ♦ Minute hand: 4-5/8"
- ♦ Hour Hand: 3-9/16"

...\$11.75 pair

#P-86...

Terry-Style Hands

- ♦ Minute hand: 5-3/8"
- ♦ Hour Hand: 4-5/8"

...\$3.50 pair

#P-276... OG Hands

- ♦ Brass hour hand bushing
- ♦ Minute hand: 3-1/2" long

♦ Hour Hand: 2-1/2" long

...\$2.75 pair 12 pr...\$27.00



Hands for OG's, Wood Works and other traditional American Shelf Clocks...

Reproduced from antique originals!

#P-1218... Banjo Clock Hands

Finely cut steel hands with a black finish

- ♦ Pilot holes predrilled in each hand
- ♦ Minute hand: 3-1/2"
- ♦ Hour hand: 2-5/16"

...\$10.00 pair

58...Hands

ANTIQUE STYLE CUCKOO HANDS

Supplied in white or a natural bone color that is faithful to the color of antique examples!!

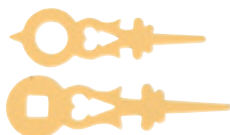
- ♦ Celluloid ♦ Square minute hand hole

Available in two colors, four sizes...

#P-1586.6B Bone for 6 cm dials
 #P-1586.8B Bone for 8 cm dials
 #P-1586.10B Bone for 10 cm dials
 #P-1586.11B Bone for 11 cm dials

#P-1586.6 White for 6 cm dials
 #P-1586.8 White for 8 cm dials
 #P-1586.10 White for 10 cm dials
 #P-1586.11 White for 11 cm dials

Your Choice... \$1.75 pair 12 pr. \$15.00



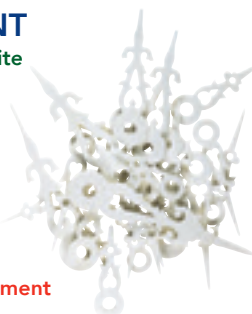
CELLULOID CUCKOO HAND ASSORTMENT

Twelve pairs of white celluloid cuckoo hands in assorted sizes from 28 to 71 mm long

- ♦ Minute hand bushings not included

#P-338...

\$11.25 Assortment



WHITE CELLULOID CUCKOO HANDS

with a brass minute bushing & round holes

#P-939.6

for 6 cm dials (2-23/64")

#P-939.7

for 7 cm dials (2-3/4")

#P-939.8

for 8 cm dials (3-5/32")

#P-939.9 for 9 cm dials (3-1/2")

#P-939.11 ... for 11 cm dials (4-21/64")

#P-939.12 ... for 12 cm dials (4-3/4")

Your Choice: \$2.00 pr. \$18.00 doz

#P-939.14 ... for 14 cm dials (5-1/2")

#P-939.16 ... for 16 cm dials (6-19/64")

#P-939.18 ... for 18 cm dials (7")

Your Choice: \$3.50 pr. \$33.00 doz.

#P-939.B... MINUTE HAND BUSHINGS ...\$3.75 dozen



LARGE STEEL GALLERY CLOCK HANDS

- ♦ Bushing included, but not installed

Choose from eight sizes:

#P-1194 for 12" dials..... \$10.75

#P-1195 for 14" dials \$11.25

#P-1196 for 16" dials \$13.25

#P-1197 for 18" dials \$14.00

#P-1198 for 20" dials \$15.00

#P-1199 for 24" dials \$18.25

#P-1200 for 30" dials \$22.50

#P-1201 for 36" dials \$26.50

CALENDAR HANDS for Mechanical Movements

...measured from the center of the center hole to the tip of the hand.

BLACK CALENDAR HAND with a brass bushing

- ♦ 5-3/4" for 11" dials

#P-69B... \$3.50 each 6+... \$3.00 each

BLACK CALENDAR HAND without a bushing

#P-155A...3" for 5" dials

#P-155B...4-1/2" for 9" dials

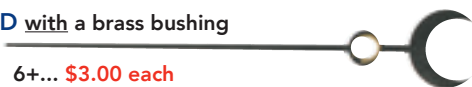
Your Choice... \$2.75 each 6+... \$2.25 each

BLACK CALENDAR HAND with brass bushings...

#P-156A...3" for 5" dials

#P-156B...4-1/2" for 9" dials

Your Choice... \$2.75 each 6+... \$2.25 each



CUT STEEL SWEEP SECOND HANDS for Tall Clocks...

High quality replacement hands for both antique and new tall clocks.
Achieve the look of hand-filed hands at less than 1/3 the cost!



#P-1612... ♦ 10-7/32" long ♦ 5-15/16" from the tip to the centershaft position



#P-1613... ♦ 10-15/16" long ♦ 5-1/2" from the tip to the centershaft position



#P-1614... ♦ 10-11/16" long ♦ 6-3/8" from the tip to the centershaft position

Each hand includes a 1-1/2" long drilled and slotted brass shaft

Your Choice...\$74.00

SWEEP SECOND HANDS for Regulators

...exact copies of antique originals! Your Choice...\$14.50 each



#P-1336... Howard Style ♦ 9-5/8" overall length

♦ 6-1/8" from the center of the mounting area to the tip

♦ Unbushed: Can be drilled for any handshaft for use on any 12" dial



#P-1337... Waterbury Style ♦ 7-7/8" overall length

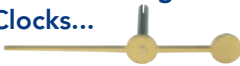
♦ Complete with three slotted hand stems: 3/8", 5/8", and 7/8"



#P-1338...Seth Thomas Style ♦ 7-7/8" overall length

♦ Complete with three slotted hand stems: 3/8", 5/8", and 7/8"

For American & English Tall Case Clocks...



♦ 2-3/4" long hand with a 1-1/4" drilled and slotted shaft

#P-839S... Steel ...\$2.75 each

#P-839B... Brass ... \$2.75 each

Any 3+... \$2.50

For American and English Tall Case Clocks...

♦ 2-7/8" long hand with a 1-3/16" drilled and slotted shaft



#P-2S... Steel ...\$3.50 each

#P-2B... Brass ...\$3.50 each

Any 6+... \$3.00 each

SECOND HANDS

for

Mechanical Movements

Serpentine... for American, English and other tall clock movements

♦ A high quality, finely

cut hand with the appearance of a hand-filed second hand for a fraction of the cost!

♦ Blued steel with a 1-1/4" slotted, brass post

♦ 2-5/8" overall length: 1-11/16" from the tip to the shaft hole

#P-1600... \$8.50 each



For Vienna Regulators...

♦ 1-11/16" long steel second hand with a brass 7/16" drilled and slotted shaft

#P-1... \$2.25 each

6+... \$2.00 each



60...Hands

CUT STEEL HAND SETS FOR TALL CLOCKS

High quality replacement hands for both antique and new tall clocks. Achieve the look of hand-filed hands at less than 1/3 the cost!

#P-1381P...Minute/Hour Hand Pair ♦ Min. hand: 5-11/16" long ♦ Hour Hand: 4-3/8" long \$35.00 pr. #P-1381S Second Hand ♦ 1-11/16" long \$8.00	#P-1382P...Minute/Hour Hand Pair ♦ Min. Hand: 5-9/16" long ♦ Hour hand: 4-3/8" long \$35.00 pr. #P-1382S Second Hand ♦ 1-11/16" long \$8.00	#P-1383P...Minute/Hour Hand Pair ♦ Min. hand: 5-11/16" long ♦ Hour hand: 4-3/8" long \$35.00 pr. #P-1383S Second Hand ♦ 1-9/16" long \$8.00
---	--	--



#P-1324A... ♦ Minute hand: 5-1/2" long

#P-1324B... ♦ Minute hand: 5-3/4" long

#P-1324C... ♦ Minute hand: 6-1/4" long

Your Choice...\$35.00 pr.

STEEL TALL CLOCK HANDS to fit our P-54 TALL CLOCK MOVEMENT...

♦ Brass hour hand bushing ♦ Black finish

#P-1809.... Serpentine ♦ Hour hand: 3-7/8" long
♦ Minute Hand: 5-1/2" long ...**\$45.00 pair**

#P-1810.... Diamond
♦ Hour hand: 4" long
♦ Minute Hand: 5-1/2" long
....**\$44.00 pair**



BRASS HAND BUSHING...

Bush and adapt any tall clock hand to fit the centershaft on our #P-54 movement!
#P-1811... \$5.00 each

Chime Selector Hand...

Used to make the chime selection on chiming grandfather and bracket clocks

- ♦ Blued steel
- ♦ 2-1/8" overall length
- ♦ Predrilled pilot hole, 1-9/32" from the tip of the hand

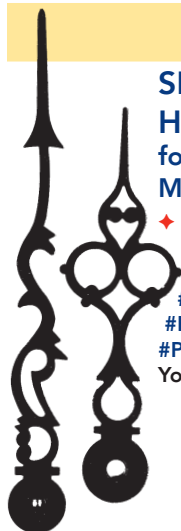
#P-1598... \$7.50



Hands/Hand Accessories...61

SERPENTINE HANDS for Hermle® Movements...

- ♦ Steel hands with a black lacquered finish
- #P-794 ... for 6" dials
- #P-795 ... for 8" dials
- #P-796 ... for 10" dials
- Your Choice ... **\$5.75 pr.**
- \$63.00 dozen pair**



Hermle® Hand Bushings



Quickly and economically convert any hand to fit a Hermle® handshaft!

- ♦ 6 hour and 6 minute bushings, each 2.5mm diameter
- ♦ Simply remove your hand's bushing and replace it with a Hermle bushing...

An easy, inexpensive way to expand the selection of hand styles available for Hermle movements! #P-1794... **\$12.50**

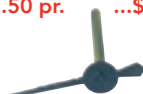
VIENNA REGULATOR HANDS

- ♦ Steel with a square, brass-bushed minute hand
- #P-30A...for 7" dials ...**\$3.50 pr.**
- #P-30B... for 5" dials ...**\$3.50 pr.**
- 12+ pair:...**\$3.00 pr.**

HERMLE® SPADE HANDS

- ♦ Steel with a black finish
- ♦ Brass bushed hour and minute hand

- | | |
|----------------------------|----------------------------|
| #P-2110...
for 5" dials | #P-2111...
for 6" dials |
| ♦ 2-1/2" minute hand | ♦ 3" minute hand |
| ♦ 1-13/16" hour hand | ♦ 2-1/8" hour hand |
| ... \$5.50 pr. | ... \$6.00 pr. |



SECOND HAND For Hermle® Movements

- ♦ A black finished hand with a slotted, predrilled 1-11/32" brass shaft...ready to install!
- ♦ 3/4" from the center of the shaft to the end of the hand

#P-1044... **\$4.00 each** 3+... **\$3.75 each**

Hand Nuts for Hermle® Movements



This 12-piece assortment includes a hand nut for every Hermle movement currently being made.

#P-1181 ...**\$7.75 Assortment**

AMERICAN-STYLE HAND BUSHINGS



for American wall and mantel clocks. #P-677 ...**\$3.50 dozen**
3+ ...**\$3.00 dozen**

BRASS CUCKOO HAND NUTS

Assorted sizes for Cuckoo movements
#P-515 ... **\$11.75 doz.**



BRASS HAND NUTS

in assorted sizes: a special assortment for American movements with threaded handshafts

#P-73 ...
\$5.00 dozen
6+ dozen...
\$4.50 doz.



BRASS HAND WASHERS...

#P-482A... 100 piece assortment:
square holes in assorted sizes
...**\$2.75 Asst.**

#P-482B...100 piece assortment:
round holes in assorted sizes
...**\$2.75 Asst.**

#P-516... 100 piece assortment:
round and square holes
...**\$2.75 Asst.**



TURNED BRASS COLLETS

A 12-piece assortment of brass collets for securing tall clock hands

#P-356 ... **\$10.00 Assortment**



62...Tapered Pins/Key Gauge/Keys

Our best buy...ECONOMY

TAPERED PINS in packs of 500,
each pin approximately 1/2" long

Metal/Taper:

#P-235B Small Brass:

.011" / .023"

#P-235S Small Steel:

.011" / .023"

#P-236B Medium Brass:

.025" / .043"

#P-236S Medium Steel:

.025" / .043"

#P-237B Large Brass 045" / .059"

#P-237S Large Steel 045" / .059"

#P-238B Ex.Large Brass... .055" / .068"

Your Choice ...\$17.00 pack



LONG ROUND TAPERED PINS

♦ In packs of 100

♦ Each 1" long



Metal:

Taper:

#P-856 ..Steel 015" / .053"

#P-857 ..Brass 030" / .065"

#P-858 ..Steel 030" / .065"

#P-859 ..Steel 040" / .075"

Your Choice ...\$5.25 pack

Any 3 packs ... \$5.00 ea.

Any 12 Packs... \$4.50 ea.

Large Round Brass Tapered Pins *The largest we sell!*

♦ Packs of 100

♦ 1-1/4" long with a .070" to .100" taper

#P-941 ...\$5.25 pack

3+ packs... \$5.00 each 12+... \$4.50 each

130 PC. BRASS AND STEEL ASSORTMENT...

One of the most
versatile assortments
on the market

♦ Includes various diameters in 1"
and 1-1/4" lengths

#P-940 ...\$22.00 Assortment



OLD STYLE BRASS TAPERED WEDGE PINS

♦ Packs of 100 ♦ 1-1/4" long

#P-2048 Taper: .020" / .060"

#P-2049 Taper: .035" / .075"

#P-2050 Taper: .050" / .090"

Your choice...\$6.50 pack

3+ packs... \$6.25 each

12+ packs... \$6.00 each



**American made
exclusively for Merritt's...**

ENGLISH SIZE KEY GAUGE

for American and English clock keys

Complete with a range of 18 key sizes from #000 (2.0 MM) to #18 (6.00 MM). Now you can accurately measure American clock keys with this finely made gauge!

♦ American made from 1/8" thick aluminum with durable steel key studs

♦ 4-3/4" overall length x 1-5/8" wide

♦ This gauge measures American keys that are traditionally measured in English sizes. *Please note: There is a noticeable difference between the English and Swiss scales: Swiss sizes run smaller than English sizes.*

#P-2017... \$54.50



BRASS KEY GAUGES...

Use these quality, solid brass gauges to determine the size of
clock keys and winders from sizes #0 to #14

♦ Determine the size of a key quickly and accurately
with these tools!

♦ Five sizes per gauge

#P-882 ... Sizes #4, 6, 8, 10, 12 ...\$11.00 each

#P-883 ... Sizes #3, 5, 7, 9, 11 ...\$11.00 each

#P-886 ... Sizes #0, 1, 2, 13, 14 ...\$11.00 each

Save...Set of 3 (one each size) ...\$30.00



SOLID BRASS DOUBLE END TRADEMARK WING KEYS...

Solid brass with a sturdy brass wing!



#P-1520
New Haven
♦ Size: 6/3

#P-1522...
E. Ingraham
♦ Size: 6/3

#P-1521...
Waterbury
♦ Size: 6/4

#P-1523...
Ansonia
♦ Size: 6/3

#P-1524...
Sessions
♦ Size: 6/4

#P-1812...
Gilbert
♦ Size: 6/4

#P-1777...
E. N. Welch
♦ Size: 7/3

Trademark
keys may be
assorted for
quantity price!
Your Choice...
\$3.75 each
12+...
\$3.25 each

BRASS TRADEMARK KEYS for CHELSEA CLOCKS

#P-2010... Size #5

#P-2011... Size #3

#P-2012... Size #000

Your choice ... **\$3.00 ea.**

12+... **\$2.50 ea.**



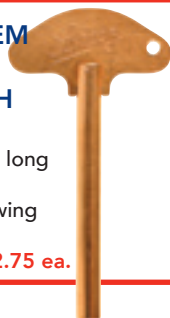
SCHATZ LONG STEM TRADEMARK KEY for SCHATZ COACH CLOCKS

♦ #3 Key with a 2-7/16" long
stem

♦ Schatz trademark on wing

#P-1776... **\$3.25 ea.**

3+... **\$3.00 ea.** 12+... **\$2.75 ea.**



SOLID BRASS S.T. TRADEMARK WING KEYS

*embossed with the
S.T. trademark*



DOUBLE END

♦ 2-1/4" wide wing

♦ 3-1/16" overall
height

#P-1953... Size #4/#4

#P-1954... Size #6/#4

\$3.50 each

12+... **\$3.00 each**

WING KEY

♦ Size #6

♦ 2-1/4" wide wing

♦ 2-1/2" overall length

#P-1952... **\$3.00 each**

12+... **\$2.50 each**

NICKEL PLATED HERMLE®

KEYS Factory
direct keys for Hermle®
spring-driven movements

#P-1868... Size #8 **\$4.50 each**

3+... **\$4.25 each**

#P-1932... Size #4

\$6.50 each

3+... **\$6.25 each**



ECONOMY NICKEL PLATED KEYS

For Hermle movements and
clocks **\$2.75 each** 3+... **\$2.50 each**



#P-2093...
Size #4

#P-2094...
Size #8

64...Keys

BRASS TRADEMARK KEYS...Exact reproductions of original manufacturer's #6 size keys

♦ Solid brass with a sturdy brass wing!

#P-1143
E.N. Welch

#P-1144
Waterbury

#P-1145
Ansonia

#P-1146
Wm. L. Gilbert

#P-1147
E. Ingraham

#P-1148
Ithaca
Calendar
Clock Co.

#P-1364
Sessions

#P-1365
New Haven

Your Choice: ...\$2.75 each
12+ ... \$2.25 each

FRENCH-STYLE CLOCK KEYS

Made in England, these fine quality steel clock keys are available in sizes #4 to 14!

♦ Please specify key size required: #4, 5, 6, 7, 8, 9, 10, 11, 12, 13, or 14

#P-1796... \$6.00 each

3+...\$5.50 each 12+... \$5.00 each

Sizes may be mixed for quantity price

PENDULETTE and NOVELTY CLOCK KEY

For Bouncing doll and other pendulette/novelty clocks.

♦ Nickel plated

♦ 1-1/4" long x 1-3/16" wide

#P-682 ...\$1.25 ea. 12+... \$1.00 each

100+... \$.75 each

LUX/KEEBLER NOVELTY CLOCK KEY

An exact reproduction of the original Lux and Keebler keys.

♦ Nickel plated

♦ Available in sizes: #1, 2, 3

#P-1013... \$1.50 each 12+... \$1.25 ea.

BRASS EXTRA LONG STEM KEY

♦ The key stem is 1-1/8" longer than our standard brass wing keys (1-31/32" long)

♦ Key Size #3

#P-1775.3L...

\$2.50 each

12+... \$2.00 each

BRASS LONG STEM KEYS

Why struggle with a shorter key? These are perfect when you need additional clearance to avoid bezels and other obstructions

♦ Solid brass ♦ Sturdy brass wing

♦ The key stem is 1/2" longer than our standard brass wing keys. (1-11/32" long)

Your Choice \$2.25 each 12+... \$1.75 each

(Mix or match sizes)

#P-1775.3 Size: #3

#P-1775.4 Size: #4

#P-1775.6 Size: #6

#P-1775.8 Size: #8

#P-1775.11 ... Size: #11



WIDE WING BRASS KEYS

- ◆ Available in eight sizes:
#6, 7, 8, 10, 12, 13, 14, 16

(Please specify sizes required)

#P-1419... Your Choice ...\$2.75 each
12+... \$2.25 each



Keys...65 SOLID BRASS WING KEYS

- ◆ Available in sizes: #000, 00, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

(Please specify sizes required)

#P-3... Your Choice ... \$2.25 each
12+... \$2.00 each 100+... \$1.75 each

33 PIECE BRASS DOUBLE END KEY ASSORTMENT

...Keys/key ends in American sizes snap together to form the precise combination of sizes required!

- ◆ Each set includes 3 each of the following large end wing key sizes: #4, #5, #6, #7, #8 plus 3 each of the following small end sizes #5, #4, #3, #2, #1, #0

- ◆ Assemble your double end keys just as you need them!



#P2152... \$28.00 Set

BRASS DOUBLE-END CHIME KEYS

American
made!



#P-271 ...Size #4 with a 4/0 small end

Your Choice ...

#P-272 ...Size #6 with a 4/0 small end

\$3.50 each

#P-273 ...Size #8 with a 0 small end

3+...\$3.00

#P-620 ...Size #9 with a 4/0 small end

Your Choice ...

#P-621 ...Size #13 with a 4/0 small end

\$4.75 each

3+...\$4.25

DOUBLE END WING KEYS

...Highest quality! Solid brass with a sturdy brass plated steel wing

- ◆ Available in 15 sizes: #4/1, #4/3, #4/5, #5/1, #5/3, #5/5, #6/1, #6/3, #6/5, #7/1, #7/3, #7/5, #8/1, #8/3, #8/5

(Please specify sizes required)

#P-145... Your Choice ...\$2.50 each

12+... \$2.25 each

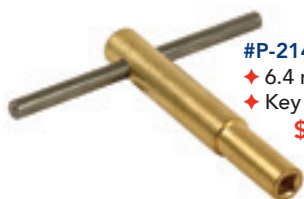
100+... \$2.00 each

American
made!



"T" HANDLE CLOCK KEY for old master and time clocks

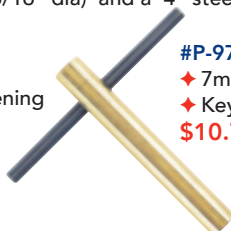
- ◆ Each with a 3-11/16" long brass shank (5/16" dia) and a 4" steel handle



#P-2149 ...

- ◆ 6.4 mm arbor opening
- ◆ Key size #20

\$10.75 each

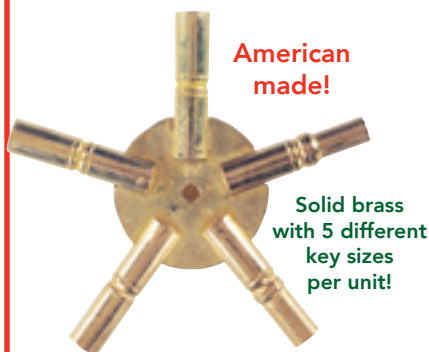


#P-97 ...

- ◆ 7mm arbor opening
- ◆ Key size #23

\$10.75 each

66... Keys



**American
made!**

**Solid brass
with 5 different
key sizes
per unit!**

5-PRONG CLOCK KEYS...

Available in three size ranges:

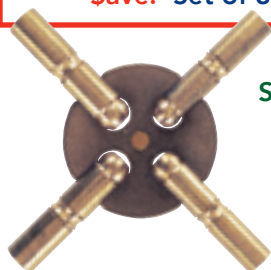
#P-51A Sizes #4, 6, 8, 10, 12

#P-51B Sizes #3, 5, 7, 9, 11

#P-904 Sizes #0, 1, 2, 13, 14

Your Choice ...\$9.75

Save: Set of 3...\$27.50



**Solid brass
with 4
different
key sizes
per unit!**

4-PRONG CLOCK KEYS...

Available in two size ranges:

#P-94A Sizes #6, 8, 10, 12

#P-94B Sizes #5, 7, 9, 11

Your Choice ...\$7.50

Save: Set of 2...\$14.00

Conversion Table

...Clock key sizes to Millimeters

Size #	MM	Size #	MM
5/0	1.6	8	4.0
4/0	1.8	9	4.2
3/0	2.0	10	4.4
2/0	2.2	11	4.6
0	2.4	12	4.8
1	2.6	13	5.0
2	2.8	14	5.2
3	3.0	15	5.4
4	3.2	16	5.6
5	3.4	17	5.8
6	3.6	18	6.0
7	3.8		



WATCH KEYS...

Available in Sizes:

#00	2 mm	#6	1.4 mm
#0	1.9 mm	#7	1.3 mm
#1	1.8 mm	#8	1.2 mm
#2	1.75 mm	#9	1.15 mm
#3	1.65 mm	#10	1.05 mm
#4	1.6 mm	#11	1.0 mm
#5	1.5 mm	#12	.95 mm

(Please specify sizes required)

#P-141... Your Choice... **\$1.50 each**

12+... **\$1.00 each**

(Sizes may be assorted)

15 PC. WATCH KEY & CHAIN SET...

A versatile set with 14 different watch keys, sizes #12 to #00 on a ring.

♦ If you work with watches as a repairman or hobbyist, this assortment is perfect for bench work or as a set for your key ring!

♦ Made of brass and steel.

#P-1476... **\$9.75 each**

3+... **\$9.50 ea.**

12+... **\$9.00 ea.**



UNIVERSAL WATCH KEY...

A nickel plated key with 5 different sized keys for watches

Available with 2 different sets of sizes:

#P-474A...

Sizes #2, 4, 6, 8, and 10

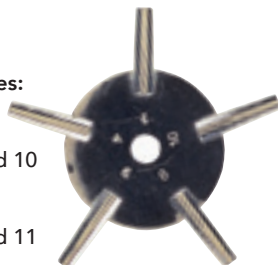
#P-474B...

Sizes #3, 5, 7, 9, and 11

Your choice ...

\$4.75 each

Save: Set of 2...\$8.50



Winders ...67

GRANDFATHER CLOCK WINDERS...



- ♦ Made from brass and steel with a wood handle.
 - ♦ Available in sizes: #8, 10, 11, 12, 13, 14, 16, 18
- #P-4... \$14.25 each Any 6+ ...\$13.75 each



MODERN GRANDFATHER CLOCK WINDER...

- ♦ Solid brass with a wooden handle
 - ♦ Size #8 fits virtually all modern Grandfather clocks
- #P-990... \$14.75 each
3+... \$14.50 ea. 12+... \$13.75



Made in England!

New and Improved Quality! Old-Style Tall Clock Winder...

A steel handle with a solid brass shank replicates the old style winders used during the 18th and 19th centuries.

- ♦ Available in sizes: #10, 11, 12, 14, 16
- #P-841...\$14.75 each Any 4+ ...\$14.00 ea.



E. HOWARD-STYLE TRADEMARK WINDING CRANK

Just like the antique originals for Banjos and other Howard weight-driven clocks!

- ♦ Brass shank with a size #4 winding arbor opening impressed with "E. Howard & Co." on the shank
 - ♦ Steel crank handle
 - ♦ 2" overall length
- #P-2055... \$5.75

WINDING CRANK for WILLARD and other AMERICAN WEIGHT-DRIVEN CLOCKS

- ♦ Replicates the distinctive iron and brass crank used to wind American weight-driven clocks
- ♦ Available in three sizes:

#P-2080... Size #3 #P-2081... Size #4 #P-2082... Size #5 Your choice... \$6.25



REGULATOR CRANK WINDERS...Brass crank winders for American and European Regulators

- ♦ Solid brass shank with a steel handle
- ♦ Available in sizes: #0, 1, 2, 3, 4, 5, 6, 7, 8
- ♦ Sizes may be assorted for quantity prices

#P-5 ...Your choice... \$2.00 ea. 12+ ...\$1.50 ea.



FANCY SOLID BRASS VIENNA REGULATOR CRANKS...

- ♦ Solid brass shank with a solid brass handle
- ♦ Available in sizes: #000, 00, 0, 1, 2, 3
- ♦ Sizes may be assorted for quantity price.

#P-1525... \$3.75 each 12+ ...\$3.25 ea.



68... Clicks/Rivets

CLICKS, SPRINGS & RIVETS for American Clocks...



♦ 2 complete sets of
steel springs, rivets, and
brass clicks for selected
American movements:

#P-1551 for Ansonia movements
#P-1552A ...for old style Seth Thomas
#P-1552B ...for new style Seth Thomas
#P-1553 for Waterbury movements
#P-1563 for Sessions movements
#P-1610 for New Haven movements
Your Choice... Only \$3.50 Set

6+...\$3.00 set



#P-1995 for Gilbert movements
#P-1996 for Ingraham movements
Your Choice... Only \$3.50 Set

6+...\$3.00 set



BRASS CLICKS... ♦ 3 right and
3 left clicks complete with springs and
rivets #P163 ... \$3.25

50 PC. CLICK & RIVET ASSORTMENT

♦ 25 brass clicks and
25 brass rivets for all
types of movements

#P-164... \$6.50 Assortment



STEEL CLICKWIRE ...

One dozen prepackaged steel
click wires for American clocks

#P-606... \$1.25



Hermle® Click Spring...

♦ For use on Hermle Models #340,
341, 350, 351, 1050, and 1051

#P-1067.H... \$1.00 \$7.50 dozen

STEEL CLICK SPRINGS for various clocks... ♦ Illustrated at actual size

#P-1067.30 ...\$4.75

#P-1067.34 ...\$11.50

#P-1067.127 ...\$11.50

#P-1067.36B ...\$4.75

#P-1067.75 ...\$11.50
#P-1067.76 ...\$11.50

#P1067.4
...\$12.50

#P-1067.116A
...\$10.50

#P-1067.116B
...\$4.75

#P-1067.126A
...\$10.50

#P1067.157
...\$4.75



RIVET ASSORTMENT

♦ 72-piece assortment of brass
rivets

♦ Perfect for clocks and other
applications

#P-381... \$4.25 Assortment



STEEL CLICK ♦ For bell-strike tall clocks

#P-351... \$8.50



BRASS CLICKSPRING

♦ For American and English tall clocks
#P-263 ...\$3.25 6+... \$2.75 each

Clickwheels/Mainsprings ...69

BRASS CLICK WHEELS

Part # Diameter: # of Teeth:

#H-13---11.5 mm ---13

#H-25---9 mm -----18

#H-31---13 mm -----16

#H-33---15 mm -----16

#H-34---16 mm -----16

#H-35---19.5 mm --21

#H-41---13 mm -----18

#H-56---18 mm -----20

#H-59---18 mm -----18

Your Choice... **\$8.00 each**



...#H-13



...#H-25



...#H-31



...#H-33



...#H-34



...#H-35



...#H-41



...#H-56



...#H-59

LOOP END MAINSPRING FOR 30-HOUR AMERICAN MOVEMENTS...

#P-440... 3/8" x .014" x 48" #P-441... 5/16" x .015" x 42"

Your Choice: **\$2.50 each** 12+... **\$2.00 each**



COMMERCIAL GRADE MAINSPRINGS FOR 8-DAY CLOCKS...

◆ Loop end ◆ Individually boxed

#P-1458... 3/4" x .018" x 96"

#P-1496... 3/4" x .0165" x 96"

Your Choice... **\$5.75 each** 3+... **\$5.50 ea.** 24+... **\$5.00 ea.**



FUSEE CLOCK MAINSPRING

◆ Hole end

◆ 1 3/8" x .0275" x 130"

#P-1378... **\$19.50**



HOLE END MAINSPRING for S. THOMAS #10 MOVEMENTS

◆ 5/8" x .24" x 108"

#MS308... **\$15.15**



MAINSRING FOR MODERN 31-DAY CHINESE MOVEMENTS

◆ Hole End ◆ .80 x .016" x 116"

#P-1438... **\$5.00 ea.** 3+... **\$4.50 ea.** 12+... **\$4.00 ea.**



MAINSRING FOR MOST 31-DAY KOREAN AND JAPANESE MOVEMENTS...

◆ Loop end ◆ 3/4" x .015" x 170"

#P-331 ...**\$6.50 ea.** 3+... **\$6.00 ea.** 12+... **\$5.50 ea.**

MAINSRING CLAMPS...

FLAT 8-DAY SIZED ◆ A pair of flat steel mainspring clamps with a low 1/8" profile: easier to install on movements than round clamps! #P-1736... **\$5.75 pair**



BRASS SPRING WIRE...

B & S Wire Gauge Size: **Inches:**

#P-486.22 ...22...**.0250" ... \$6.75**

#P-486.24 ...24...**.0200" ... \$7.00**

#P-486.26 ...26...**.0153" \$8.00**



ROUND ASSORTED SIZES

◆ A complete selection of steel clamps in four sizes (1-1/8" to 2-1/2") to fit alarm clocks, 30-hour clocks (2-1/4"), 8-day clocks (1-7/8"), and large time clocks

#P-862... **\$5.25 Set**



70...Mainsprings

HOLE END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

MB... This entry in the "Barrel Diameter" column indicates a spring designated for music boxes

H... replaces Horolovar springs



Order Number:	Width :		Strength:		Length	Barrel	List
	Inches	MM	Inches	MM	Inches:	Dia.:	Price
MS100	3/32	2.3	.007	.18	18	4 mm	\$2.25
MS101	5/32	4.0	.008	.20	24	17 mm	\$5.25
MS103	5/32	4.0	.011	.28	26.5	22mm	\$3.00
MS104	3/16	4.8	.009	.23	24	17 mm	\$2.55
MS105	7/32	5.6	.008	.20	26	20 mm	\$5.00
MS106	7/32	5.6	.0095	.24	24	18 mm	\$3.25
MS109	1/4	6.4	.011	.28	15.75	MB	\$3.00
MS110	1/4	6.4	.011	.28	39	26 mm	\$3.60
MS111	9/32	7.0	.007	.18	44	19 mm	\$4.00
MS112	9/32	7.0	.010	.25	18	MB	\$5.00
MS113	9/32	7.0	.010	.25	39.5	25 mm	\$5.50
MS114	5/16	8.0	.008	.20	27	18 mm	\$3.50
MS116	5/16	8.0	.010	.25	28	19 mm	\$4.75
MS117	5/16	8.0	.010	.25	32	23 mm	\$3.50
MS118	5/16	8.0	.010	.25	39.5	25 mm	\$4.25
MS119	5/16	8.0	.011	.28	45.25	28 mm	\$4.10
MS120	5/16	8.0	.015	.38	40	34 mm	\$4.10
MS121	5/16	8.0	.016	.41	54	38 mm	\$4.75
MS.122	11/32	8.7	.013	.33	66	38 mm	\$6.00
MS124	23/64	9.0	.011	.28	45.25	28 mm	\$7.00
MS125	23/64	9.0	.0125	.32	18.5	MB	\$3.50
MS126	3/8	9.5	.011	.28	48	26 mm	\$4.55
MS127	3/8	9.5	.014	.36	48	32 mm	\$4.55
MS128	3/8	9.5	.017	.43	54	38 mm	\$5.00
MS130	25/64	10.0	.011	.28	45.25	28 mm	\$4.35
MS131	25/64	10.0	.012	.32	73	40 mm	\$6.55
MS132	7/16	11.0	.010	.25	35.25	22 mm	\$3.85
MS135	7/16	11.0	.011	.28	49	28 mm	\$6.50
MS136	7/16	11.0	.0155	.40	55.5	38 mm	\$6.50
MS137	15/32	12.0	.010	.25	39.5	25 mm	\$5.50
MS139	15/32	12.0	.012	.30	53	32 mm	\$5.75
MS140	15/32	12.0	.014	.36	72	41 mm	\$7.50



Mainsprings...71

MORE HOLE END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

H... replaces Horolovar springs

MB... This entry in the "Barrel Diameter" column indicates a spring designated for music boxes

Order Number:	Width : Inches MM	Strength: Inches MM	Length Inches:	Barrel Dia.:	List Price
MS141	1/2 ---- 12.7	.013 ---.33	27-----	25H -----	\$15.50
MS142	1/2 ---- 12.7	.013 ---.33	60-----	36 mm ----	\$ 6.55
MS143	1/2 ---- 12.7	.015 ---.38	36-----	25 mm ----	\$ 4.75
MS144	1/2 ---- 12.7	.016 ---.41	65-----	38 mm ----	\$ 7.25
MS145	1/2 ---- 12.7	.018 ---.46	60-----	38 mm ----	\$ 9.50
MS146	33/64 -- 13.0	.010 ---.25	39.5-----	25 mm ----	\$ 4.50
MS147	33/64 -- 13.0	.011 ---.28	45.25-----	28 mm ----	\$ 4.70
MS148	33/64 -- 13.0	.012 ---.30	53-----	32 mm ----	\$ 6.00
MS149	17/32 -- 13.5	.010 ---.26	72-----	34 mm ----	\$ 9.00
MS150	17/32 -- 13.5	.014 ---.36	38-----	30H -----	\$12.40
MS151	17/32 -- 13.5	.022 ---.55	28-----	32H -----	\$15.50
MS152	35/64 -- 14.0	.011 ---.28	45.25-----	28 mm ----	\$ 5.50
MS153	35/64 -- 14.0	.011 ---.28	49-----	30 mm ----	\$ 6.30
MS155	35/64 -- 14.0	.012 ---.30	61-----	35 mm ----	\$ 7.25
MS156	35/64 -- 14.0	.0155---.40	37.5-----	36 mm ----	\$ 5.25
MS157	9/16 --- 14.3	.012 ---.30	39-----	28 mm ----	\$ 7.25
MS158	9/16 --- 14.3	.013 ---.33	27-----	25H -----	\$17.00
MS159	9/16 --- 14.3	.014 ---.36	32-----	30H -----	\$12.40
MS160	9/16 --- 14.3	.015 ---.38	42-----	28 mm ----	\$ 6.00
MS161	19/32 -- 15.0	.011 ---.28	45.25-----	28 mm ----	\$ 6.00
MS162	19/32 -- 15.0	.011 ---.28	49-----	30 mm ----	\$ 6.55
MS163	19/32 -- 15.0	.012 ---.30	53-----	32 mm ----	\$ 6.75
MS164	5/8 ---- 16.0	.010 ---.25	39.5-----	25 mm ----	\$ 5.50
MS165	5/8 ---- 16.0	.011 ---.28	45.25-----	28 mm ----	\$ 6.30
MS166	5/8 ---- 16.0	.011 ---.28	49-----	30 mm ----	\$ 7.75
MS167	5/8 ---- 16.0	.013 ---.33	78-----	34 mm ----	\$10.25
MS168	5/8 ---- 16.0	.013 ---.33	105-----	47 mm ----	\$12.95
MS169	5/8 ---- 16.0	.014 ---.36	70-----	39 mm ----	\$12.00
MS170	5/8 ---- 16.0	.016 ---.41	59-----	35 mm ----	\$10.50
MS171	5/8 ---- 16.0	.0175---.45	43.5-----	37 mmH----	\$ 7.50
MS172	5/8 ---- 16.0	.018 ---.46	41-----	36 mm ----	\$16.50
MS173	5/8 ---- 16.0	.018 ---.46	72-----	40mm ----	\$15.00
MS174	5/8 ---- 16.0	.018 ---.46	96-----	53mm ----	\$14.10
MS176	43/64 -- 17.0	.010 ---.25	72-----	34mm ----	\$ 9.45
MS177	43/64 -- 17.0	.010 ---.25	39.5-----	25mm ----	\$ 6.25
MS178	43/64 -- 17.0	.011 ---.28	45.25-----	28mm ----	\$10.25
MS179	43/64 -- 17.0	.011 ---.28	49-----	30mm ----	\$10.25
MS180	43/64 -- 17.0	.018 ---.46	54-----	40mm ----	\$13.00

72...Mainsprings



MORE HOLE END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

MB... This entry in the "Barrel Diameter" column indicates a spring designated for music boxes

H... replaces Horolovar springs

Order Number:	Width : Inches MM	Strength: Inches MM	Length Inches:	Barrel Dia.:	List Price
MS181	11/16 - 17.5	.012 - .30	72	34mm	\$ 9.60
MS182	11/16 - 17.5	.014 - .36	54	34mm	\$ 9.50
MS183	11/16 - 17.5	.018 - .46	44	38H	\$16.50
MS184	11/16 - 17.5	.018 - .46	96	53mm	\$20.00
MS186	45/64 - 18.0	.011 - .28	49	30mm	\$ 8.25
MS187	45/64 - 18.0	.012 - .30	53	32mm	\$ 8.20
MS188	45/64 - 18.0	.012 - .30	61	35mm	\$ 9.50
MS189	45/64 - 18.0	.016 - .41	56	39mm	\$13.75
MS190	45/64 - 18.0	.016 - .41	61.5	42mm	\$13.75
MS191	45/64 - 18.0	.0175 - .44	70	45mm	\$13.50
MS192	45/64 - 18.0	.019 - .48	47	35mm	\$ 9.50
MS193	45/64 - 18.0	.021 - .53	48	40mm	\$ 9.50
MS194	3/4 - 19.0	.009 - .23	72	33mm	\$10.30
MS195	3/4 - 19.0	.010 - .25	39.5	25mm	\$ 6.10
MS196	3/4 - 19.0	.011 - .28	45.25	28mm	\$ 7.05
MS197	3/4 - 19.0	.011 - .28	49	30mm	\$ 7.90
MS198	3/4 - 19.0	.011 - .28	50	30mm	\$ 9.50
MS199	3/4 - 19.0	.012 - .30	53	32mm	\$ 7.90
MS200	3/4 - 19.0	.012 - .30	61	35mm	\$ 9.00
MS201	3/4 - 19.0	.012 - .30	75	35mm	\$10.20
MS202	3/4 - 19.0	.012 - .30	90	35mm	\$13.00
MS203	3/4 - 19.0	.013 - .33	54	32mm	\$10.50
MS204	3/4 - 19.0	.014 - .36	90	35mm	\$13.00
MS205	3/4 - 19.0	.015 - .38	72	40mm	\$10.30
MS206	3/4 - 19.0	.0155 - .40	53.5	37mm	\$11.25
MS207	3/4 - 19.0	.016 - .41	38	32H	\$16.50
MS208	3/4 - 19.0	.016 - .41	53	38H	\$16.50
MS209	3/4 - 19.0	.016 - .41	56	39mm	\$12.50
MS210	3/4 - 19.0	.016 - .41	60	38mm	\$14.00
MS211	3/4 - 19.0	.017 - .43	44	35mm	\$ 7.15
MS212	3/4 - 19.0	.017 - .43	45	36H	\$16.50
MS213	3/4 - 19.0	.0175 - .44	70	45mm	\$10.50
MS214	3/4 - 19.0	.018 - .46	96	53mm	\$15.15
MS215	3/4 - 19.0	.019 - .48	68.5	45mm	\$13.00
MS216	25/32 - 20.0	.011 - .28	45.25	28mm	\$ 7.95
MS217	25/32 - 20.0	.011 - .28	49	30mm	\$ 9.65
MS218	25/32 - 20.0	.012 - .30	53	32mm	\$ 8.65
MS219	25/32 - 20.0	.012 - .30	61	35mm	\$ 9.60
MS220	25/32 - 20.0	.0155 - .40	53	38mm	\$ 8.65
MS221	25/32 - 20.0	.016 - .41	53	38H	\$21.25
MS222	25/32 - 20.0	.0175 - .44	70	45mm	\$13.50
MS223	25/32 - 20.0	.018 - .46	76.5	48mm	\$22.00



Mainsprings...73

MORE HOLE END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

MB... This entry in the "Barrel Diameter" column indicates a spring designated for music boxes

H... replaces Horolovar springs

Order	Width :	Strength:	Length	Barrel	List
Number:	Inches MM	Inches MM	Inches:	Dia.:	Price
MS224	53/64 -- 21.0	.011 --.28	45.25	28mm	\$ 7.00
MS225	53/64 -- 21.0	.011 --.28	49	30mm	\$14.00
MS226	53/64 -- 21.0	.012 --.30	53	32mm	\$ 8.75
MS227	53/64 -- 21.0	.012 --.30	61	35mm	\$ 9.00
MS228	53/64 -- 21.0	.0125--.32	67	38mm	\$10.30
MS229	53/64 -- 21.0	.015 --.38	100	50H	\$25.95
MS230	7/8 ---- 22.2	.011 --.28	49	30mm	\$ 8.70
MS231	7/8 ---- 22.2	.012 --.30	53	32mm	\$10.50
MS232	7/8 ---- 22.2	.012 --.30	61	35mm	\$10.20
MS233	7/8 ---- 22.2	.0125--.32	67	38mm	\$13.50
MS234	7/8 ---- 22.2	.013 --.33	72	33mm	\$12.85
MS235	7/8 ---- 22.2	.0155--.40	50	37mm	\$16.00
MS236	7/8 ---- 22.2	.0175--.44	70	45mm	\$16.00
MS237	7/8 ---- 22.2	.018 --.46	84	49mm	\$15.15
MS238	7/8 ---- 22.2	.018 --.46	96	53mm	\$18.50
MS239	7/8 ---- 22.2	.0195--.50	56	42mm	\$10.20
MS240	61/64 -- 24.0	.0175--.44	70	45mm	\$12.60
MS241	61/64 -- 24.0	.018 --.46	76.5	48mm	\$15.00
MS242	61/64 -- 24.0	.018 --.46	80.5	50mm	\$18.00
MS243	61/64 -- 25.0	.018 --.46	78.5	49mm	\$14.75
MS244	1.0 ---- 25.4	.018 --.46	96	53mm	\$30.00

LOOP END & SPECIAL END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.



Order	Width :	Strength:	Length	End:	List
Number:	Inches MM	Inches MM	Inches:		Price
MS245	1/8 ---- 3.2	.010 --.25	19	Open Loop	\$ 5.50
MS246	9/64 --- 3.6	.009 --.23	25	Open Loop	\$ 3.50
MS247	5/32 --- 4.0	.009 --.23	26	Loop	\$ 3.50
MS251	3/16 --- 4.8	.010 --.25	23	Loop	\$ 3.25
MS252	3/16 --- 4.8	.012 --.30	31	Open Loop	\$ 3.25
MS253	3/16 --- 4.8	.016 --.41	54	Loop	\$ 4.25
MS254	13/64 -- 5.0	.0105--.26	25.5	Open Loop	\$ 3.50
MS255	7/32 --- 5.6	.011 --.28	24	Loop	\$ 3.50
MS256	7/32 --- 5.6	.017 --.43	30	Open Loop	\$ 3.00

74...Mainsprings



LOOP END & SPECIAL END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

Order Number:	Width : Inches MM	Strength: Inches MM	Length Inches: End:	List Price
MS257	1/4 --- 6.4	.010 --- .25	26 --- Open Loop	\$ 3.55
MS259	1/4 --- 6.4	.012 --- .31	41 --- Open Loop	\$ 3.45
MS260	1/4 --- 6.4	.013 --- .33	24 --- Loop	\$ 3.95
MS261	1/4 --- 6.4	.016 --- .41	54 --- Loop	\$ 4.85
MS262	9/32 --- 7.0	.009 --- .23	30 --- Loop	\$ 3.95
MS263	9/32 --- 7.0	.012 --- .30	27 --- Open Loop	\$ 3.50
MS264	9/32 --- 7.0	.012 --- .30	30 --- Loop	\$ 5.75
MS265	9/32 --- 7.0	.017 --- .43	48 --- Loop	\$ 7.00
MS266	19/64 --- 7.5	.015 --- .38	39 --- Open Loop	\$ 8.00
MS267	5/16 --- 8.0	.009 --- .23	20 --- Open Loop	\$ 8.00
MS268	5/16 --- 8.0	.009 --- .23	36 --- Open Loop	\$ 3.95
MS269	5/16 --- 8.0	.010 --- .25	30 --- Open Loop	\$ 3.75
MS270	5/16 --- 8.0	.013 --- .33	24 --- Loop	\$ 3.95
MS271	5/16 --- 8.0	.013 --- .33	26 --- Loop	\$ 9.50
MS272	5/16 --- 8.0	.013 --- .33	30 --- Loop	\$ 6.00
MS273	5/16 --- 8.0	.015 --- .38	42 --- Loop	\$ 6.75
MS274	5/16 --- 8.0	.015 --- .406	54 --- Loop	\$ 6.00
MS275	5/16 --- 8.0	.015 --- .406	71 --- Loop	\$12.20
MS276	5/16 --- 8.0	.016 --- .432	41.5 --- Open Loop	\$ 4.00
MS277	5/16 --- 8.0	.019 --- .510	45.5 --- Loop	\$ 7.50
MS279	3/8 --- 9.5	.011 --- .28	51 --- Loop	\$ 8.50
MS280	3/8 --- 9.5	.013 --- .33	34 --- Loop	\$ 4.25
MS281	3/8 --- 9.5	.014 --- .36	48 --- Loop	\$ 8.75
MS282	3/8 --- 9.5	.014 --- .36	60 --- Open Loop	\$ 8.75
MS283	3/8 --- 9.5	.015 --- .38	53 --- Loop	\$ 7.00
MS284	3/8 --- 9.5	.016 --- .41	60 --- Loop	\$ 7.50
MS285	3/8 --- 9.5	.017 --- .43	96 --- Loop	\$13.00
MS286	3/8 --- 9.5	.019 --- .48	48 --- Open Loop	\$ 6.00
MS287	7/16 --- 11.0	.014 --- .36	72 --- Loop	\$ 7.50
MS288	7/16 --- 11.0	.018 --- .46	48 --- Loop	\$ 5.50
MS289	7/16 --- 11.0	.018 --- .46	60 --- Loop	\$10.50
MS290	1/2 --- 12.07	.015 --- .38	84 --- Loop	\$12.75
MS291	1/2 --- 12.07	.016 --- .41	66 --- Loop	\$11.00
MS292	1/2 --- 12.07	.018 --- .46	60 --- Open Loop	\$ 8.50
MS293	1/2 --- 12.07	.018 --- .46	96 --- Loop	\$17.00
MS294	9/16 --- 14.3	.015 --- .38	78 --- Loop	\$12.25
MS295	9/16 --- 14.3	.018 --- .46	96 --- Loop	\$17.00
MS296	5/8 --- 16.0	.013 --- .33	69 --- Loop	\$ 9.60
MS297	5/8 --- 16.0	.018 --- .46	96 --- Loop	\$22.00
MS298	11/16 --- 17.5	.015 --- .38	108 --- Loop	\$18.70
MS299	11/16 --- 17.5	.018 --- .46	96 --- Loop	\$15.15



Mainsprings...75

MORE LOOP END CLOCK SPRINGS

♦ Save 20% off the list price when you purchase any 12 "MS-" numbered mainsprings from the "Loop and Special End" or "Hole End Clock Spring" sections on pages 70 to 75.

Order Number:	Width : Inches MM	Strength: Inches MM	Length Inches:	End.:	List Price
MS300	3/4 19.0	.012 .31	72	Loop	\$15.50
MS301	3/4 19.0	.014 .36	108	Loop	\$20.00
MS302	3/4 19.0	.016 .41	78	Loop	\$12.50
MS303	3/4 19.0	.017 .43	120	Loop	\$20.00
MS304	3/4 19.0	.018 .46	96	Loop	\$21.00
MS305	13/16 20.6	.018 .46	96	Loop	\$22.00
MS306	7/8 22.2	.018 .46	96	Loop	\$24.50
MS307	1.0 25.4	.018 .46	96	Loop	\$27.00
MS308*	5/8 16.0	.024 .60	108	Hole	\$15.15
* #MS308 is the spring for the S.T. #10 movement					
MS309**	3/4 19.0	.0165 .42	96	Loop	\$16.40
** #MS309: specifications are the same as the #P-1496 mainspring					
MS310***	3/4 19.0	.016 .41	108	Loop	\$20.00
*** #MS310 is the spring for the S.T. #89 movement					

HERMLE BARRELS complete with mainsprings

♦ To select the correct barrel for your movement, use the number stamped on your original mainspring barrel. The last two digits of our order number corresponds to this number.

♦ Please note: Several barrels are interchangeable.

If your barrel is stamped:

#42... use #P-696/#40,

#30... use #P-868/#32

Barrel #P-697/#41...

Fits movement: Train:
#340-020 Chime
#341-020 Chime
#341-021 Chime

Barrel #P-699/#54...

Fits movement: Train:
#350-020 Chime
#350-060 Chime
#351-020 Chime

Barrel #P-700/#55...

Fits movement: Train:
#351-031 Chime
#351-051 Chime
#1050-020 Chime

Barrel #P-867/#21...

Fits movement: Train:
#150 Series Time or Strike
#151 Series Time or Strike

\$42.00 each

3+... \$41.00 each

12+... \$40.00 each

Barrel #P-864/#10...

Fits movement: Train:
#140-010 Time or Strike
#140-070 Time or Strike
#140-080 Time or Strike
#141-010 Strike
#141-070 Strike
#141-080 Strike
#141-031 Time
#141-051 Strike

Barrel #P-865/#11...

Fits movement: Train:
#140-010 Time
#140-070 Time
#140-080 Time
#141-031 Strike
#141-051 Time

Barrel #P-696/#40...

Fits movement: Train:
#340-020 Strike
#341-020 Strike
#341-021 Strike

Barrel #P-698/#50...

Fits movement: Train:
#350-020 Time or Strike
#350-060 Time or Strike
#350-020 Time or Strike
#351-031 Time
#351-051 Time or Strike
#1050-020 Time or Strike

\$32.00 each 3+... \$31.00 each 12+... \$29.00 each

Barrel #P-1766/#52/#20

Fits movement: Train:
#350 Series Time
#351 Series Time
#1050 Series Time
#1051 Series Time
#351-030A Strike

Barrel #P-869/#31...

Fits movement: Train:
#131-010 Strike
#131-080 Strike
#130-020 Strike
#130-070 Strike
#130-080 Strike

Barrel #P-868/#32...

Fits movement: Train:
#131-030 Time
#131-080 Time
#130-020 Time
#130-070 Time
#130-080 Time
#132-071 Time

Barrel #P-870/#33...

Fits movement: Train:
#131-030 Strike
#132-071 Strike

Barrel #P-871/#56...

Fits movement: Train:
#351-031 Strike



76... Mainsprings/Pendulums

HOLE END STEEL MAINSPRINGS for HERMLE BARRELS

(Please note: All measurements in millimeters)

#P-1237 for Barrel #10 17 x .45 x 1490 mm

#P-1238 for Barrel #11 17 x .42 x 1500 mm

#P-1239 for Barrel #20 & #56
17 x .38 x 1200 mm

\$16.00 each

3+ ...\$15.50 each 12+ ...\$15.00 each

#P-1241 for Barrel #31 12 x .34 x 1150 mm

#P-1242 for Barrel #32 12 x .42 x 1100 mm

#P-1243 for Barrel #33 12 x .32 x 1150 mm

\$10.50 each

3+ ...\$10.00 each 12+ ...\$9.50 each

#P-1240 for Barrel #21, #50 and #52.....

17 x .40 x 1200 mm

#P-1244 for Barrel #40 17 x .38 x 1100 mm

\$13.00 each

3+ ...\$12.50 each 12+ ...\$12.00 each

#P-1245 for Barrel #41 21 x .40 x 1550 mm

#P-1247 for Barrel #54 21 x .42 x 1900 mm

#P-1248 for Barrel #55 21 x .45 x 1800 mm

\$19.50 each

3+ ...\$19.00 each 12+ ...\$18.50



SINGLE/DOUBLE BARREL PENDULUMS...

♦ Solid brass frame with a polished brass barrel

♦ Threaded steel rod

#P-153 ... Single Barrel

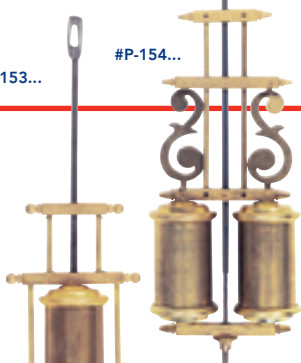
♦ 6-1/2" long ...\$15.00

#P-154 ...Double Barrel

♦ 7-1/2" long ...\$21.50

#P-153...

#P-154...



R/A PENDULUMS...

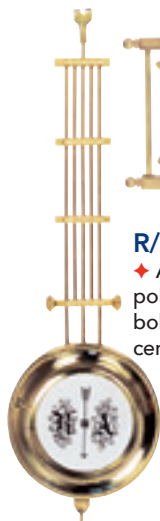
♦ All brass assembly with a polished, 3-1/2" diameter brass bob and an enameled "R/A" centerpiece

#P-385... 11-3/4" long

#P-398... 9-3/4" long

Your Choice... \$7.00

Any 3 for \$18.00



WILLARD-STYLE PENDULUM PARTS

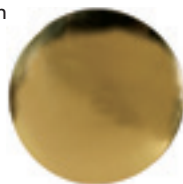
#P-2160A... Willard-style Bob

♦ 3" dia. brass faced bob: 11.49 oz.

♦ Polished brass finish

♦ Tapered back slot

...\$16.00



#P-2160B...

Willard-style
Pendulum Spike

♦ Cast brass with a threaded rating stud: nut included

♦ 3-3/4" overall length

♦ Tapered to match Willard-style bob

♦ Threaded to fit steel pendulum rod

...\$9.50

#P-2160C... Willard-style
Pendulum Rod

♦ Steel: 18" long threaded on both ends ...\$4.25

#P-2160D...

Willard-style Pendulum
Keystone

♦ Cast brass with a steel suspension spring

♦ 3-7/8" long x 1-1/8" wide

at the widest point of the keystone bottom

♦ Threaded to fit steel pendulum rod

...\$8.00



Pendulums...77

Kitchen Clock Pendulums

Your Choice... \$8.00 ea.
Any 3...\$7.50 ea.
Any 12...\$7.00 ea.

- ♦ Beautifully cast from metal and finished with an antique gold finish
- ♦ Each includes a 6-1/4" long antique style oval pendulum rod

#P-1424...

#P-1425...

#P-1423...

#P-2139...

#P-131...

#P-132...

#P-159...



S.T. STYLE SUNBURST PENDULUM

Faithfully recreates an original antique pendulum

- ♦ Cast from metal with a brass finish and a hook top!
- ♦ 3-13/16" overall length
- ♦ 2-7/16" dia. bob #P-1465... \$13.00

HEAVY S.T.-STYLE ADJUSTABLE BOB

♦ An exact copy of the 1-11/16" dia. original lead bob (4.5 oz) complete with an adjustable bob wire. #P-1307...\$5.75

WATERBURY STYLE ADJUSTABLE BOB...

- ♦ A 1-11/16" diameter cast bob with an antique bronze finish
- ♦ Adjustable bob wire included #P-1011... \$5.50 each

S.T. - TYPE PENDULUM

A complete pendulum for the "Globe", "World", and other models

- ♦ 13-1/2" overall length with a 4-1/2" dia. cast iron backed, brass bob

#P-1386... \$27.00 each

MUNGER PENDULUM

A replica of an antique Munger eagle pendulum.

- ♦ Cast metal with a threaded steel bob wire and a knurled brass rating nut

#P-1960... \$6.25



WOOD STICK REGULATOR PENDULUMS

- ♦ Hook top for T-type suspensions

#P-358... ♦ 10" overall length with a 2-3/4" brass bob

#P-358B... ♦ 7" overall length with a 2-3/4" brass bob

Your choice \$5.00 each
6+... \$4.50 each



78...Pendulums

BRASS-FACED ADJUSTABLE BOBS...



- ♦ Lead backed with a solid brass face and a steel bob wire

#P-98A... 2-1/4" dia.

#P-98B... 2" dia.:

Standard 8-day movement size

#P-98C... 1-3/4" dia.: Standard 30-hr. movement size

#P-98D... 1-1/2" diameter

Your Choice: \$6.75 ea.

3+... \$6.50 ea.

12+... \$6.00 ea.

STEEL PENDULUM BOB WIRES

...with a brass adjustment nut

#P-100A... 4-1/8"

#P-100B... 3-1/8"

#P-100C... 2-3/4"

Your Choice... \$1.50 ea. Any 12 ... \$15.00



ADJUSTABLE PENDULUM for AMERICAN MANTEL CLOCKS...

- ♦ 2-9/16" overall length with a 1-1/2" dia. lead bob

- ♦ Natural silver finish

#P-304... \$5.00 each



ADJUSTABLE CAST IRON BOB for WOODWORKS GRANDFATHER CLOCKS...

- ♦ 3-1/4" dia. cast iron bob with a dark antique finish: 16.45 oz bob

- ♦ Adjustable bob wire w/ brass adjusting nut

#P-2151... \$13.00



LYRE PENDULUMS for HERMLE® GRANDFATHER and GRANDMOTHER MOVEMENTS...

- ♦ Polished brass lyres, tops, and bobs

- ♦ Use with Hermle movements #141, 151, 241, 451, 461, 471, 1161, and 1171

#P-1894... for 114 cm movements ♦ 8-5/8" diameter bob

♦ 41-1/2" long ... \$99.00

#P-2004... for 114 cm movements ♦ 6-5/8" diameter bob

♦ 42" long ... \$89.00

#P-1043... for 94 cm movements ♦ 10-5/8" diameter bob

♦ 35-3/8" long ... \$109.00

#P-1008... for 94 cm movements ♦ 8-5/8" diameter bob

♦ 37-3/4" long ... \$99.00

#P-1007... for 94 cm movements ♦ 6-5/8" diameter bob

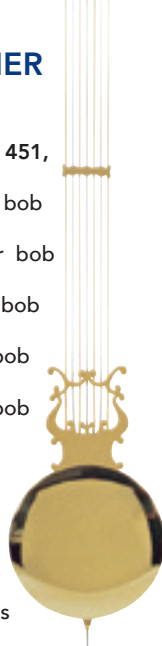
♦ 34-7/8" long ... \$59.00

#P-1557... for 85 cm movements

♦ 6-5/8" dia. bob ♦ 30-1/4" long ... \$99.00

#P-1547... for 75 cm movements

♦ 5-1/2" dia. bob ♦ 27-1/4" long ... \$69.00



SPIRALED LYRE PENDULUMS

- ♦ Alternating chrome/brass colored rods and spirals

- ♦ Polished brass lyre, top, and bob

#P-2000P... for Kieninger 116 cm movements

♦ 10-5/8" diameter ♦ 41-3/4" long ... \$165.00

#P-961S... for Hermle 114 cm movements

♦ 10-5/8" diameter bob ♦ 43-3/4" long ... \$120.00



Pendulums...79

MULTI-COLORED GRAPE AND OAK LEAF CUCKOO PENDULUMS...

Handpainted and complete with a hanger, slide, wood leaf pendulum and stick.

♦ Each pendulum has an overall length of 7"

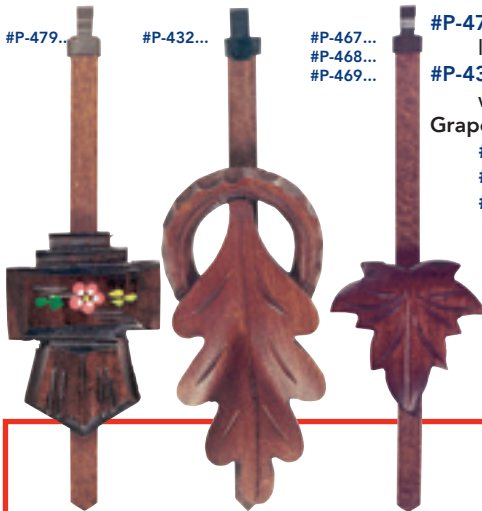
- #P-1399... Small Grape Leaf Pendulum with a 2-1/4" leaf, multicolored painted finish **\$7.00**
- #P-1400... Medium Grape Leaf Pendulum with a 2-5/8" leaf, multicolored painted finish **\$7.50**
- #P-1401... Large Grape Leaf Pendulum with a 3" leaf, multicolored painted finish **\$7.75**
- #P-1403... Medium Oak Leaf Pendulum with a 3" leaf, multicolored painted finish **\$7.75**
- #P-1404... Large Oak Leaf Pendulum with a 4-1/2" leaf, multicolored painted finish **\$7.75**
- #P-1405... Large Oak Leaf Pendulum with a 4-1/8" leaf, brown finish (Not illustrated) **\$7.75**



WOOD CUCKOO PENDULUMS... Complete with a hanger, slide, wood leaf pendulum and stick

♦ Traditionally stained ♦ Antique brown finish

- #P-479... #P-432... #P-467... #P-479... Chalet Style: 7-1/4" overall length ...**\$5.75 each**
- #P-468... #P-468... #P-468... #P-432 ... Oak Leaf: 7" overall length with a 4-1/2" oak leaf ...**\$13.50 each**
- #P-469... Grape Leaf Pendulums: 7" overall length
- #P-467 ...2-1/4" leaf
- #P-468 ...2-5/8" leaf
- #P-469 ...3" leaf
- Your choice...
\$7.50 ea.
3+...\$7.00 ea.
12+...\$6.50 ea.



STEEL PENDULUM SLIDE for cuckoo clocks

#P-760...\$1.00 each
\$6.00 dozen



ADJUSTABLE BRASS PENDULUMS for ANSONIA CLOCKS...

...exact copies of antique originals!

Your Choice ...\$14.75 each
Any 6 ...\$14.00 each
Any 12 ...\$13.50 each

...#P-1358
♦ 4-1/2" overall length

...#P-1359
♦ 5-1/4" overall length

#P-1360...
♦ 8-1/2" overall length

...#P-1361
♦ 5-1/4" overall length
♦ Offset for figural clocks



80...Pendulums



#P-527A ...

Sessions

- ♦ 1-1/2" dia.
- ♦ 3.0 ounces



#P-527B...

Ingraham

- ♦ 1-1/2" dia.
- ♦ 2.4 ounces



#P-527C...

Waterbury

- ♦ 1-5/8" wide
- ♦ 1.8 ounces



#P-527D...

S. Thomas

- ♦ 1-5/8" dia.
- ♦ 3.5 ounces



#P-527E...

Ingraham

- ♦ 1-1/2" dia.
- ♦ 2.3 ounces



#P-527F ...

Sessions

- ♦ 1-1/4" dia.
- ♦ 1.6 ounces



#P-527G...

Universal

- ♦ 1-1/2" dia.
- ♦ 2.7 ounces



#P-527H...

Ingraham

- ♦ 1-1/2" dia.
- ♦ 1.6 ounces



#P-527S...

Sessions

- ♦ 1-3/8" dia.
- ♦ 2.3 ounces



#P-527J...

Universal

- ♦ 1-1/2" dia.
- ♦ 2.0 ounces

NONADJUSTABLE, CAST METAL PENDULUM BOBS...

Higher quality with improved details!

- ♦ Copied from antique originals for all types of American shelf clocks!
 - ♦ Perfect to authentically replace a damaged or missing bob
- Your Choice... \$4.00 ea. 3+... \$3.75 ea. 12+... \$3.50 ea.

#P-527K ...
Gilbert

- ♦ 1-21/32" dia.
- ♦ 2.9 ounces



EXTRA-HEAVY S.T.-TYPE NON-ADJUSTABLE BOB

- ♦ 1-25/32" diameter
 - ♦ 4-1/2 ounces
- #P-1012... \$3.50 ea.
3+... \$3.25 ea. 12+... \$3.00 ea.

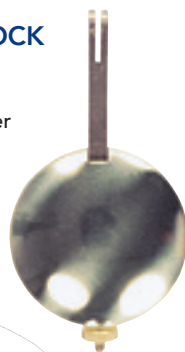


HEAVY NON-ADJUSTABLE BOB

- ♦ 1-3/4" diameter
 - ♦ 4 ounces
- #P-1342... \$4.75 ea.
3+... \$4.50 ea. 12+... \$4.00 ea.

EUROPEAN CLOCK PENDULUM...

- ♦ 3-1/2" long with a 1-11/16" diameter polished brass bob
 - ♦ 3.0 oz.
 - ♦ Hook top
- #P-669... \$14.25



REPLACEMENT BALL/CORD for HOROLOVARFLYING PENDULUM CLOCKS

- ♦ Extra long 7" cord #P-1256... \$8.75 each

Pendulums...81

HOWARD-STYLE PENDULUM BOBS

#P-2052...
2-1/2" diameter
♦ 8.5 oz.
\$13.75



Just like the antique originals!...

♦ Unpolished
solid brass face
with a cast lead
backing

#P-2053...
3" diameter
♦ 15 oz.
\$15.50



PENDULUM BOB for SETH THOMAS "JUPITER" & "LUNAR" MODELS

Just like the antique originals!

♦ 3-1/4" diameter ♦ 8 oz.

♦ Cast metal with an antique brass finish #P-2051... **\$17.50**



ANSONIA-STYLE PENDULUM TOP AND T-BAR



An authentic
replacement set
for Regulator A's
and other American
clocks

#P-550... **\$2.00 Set**

WOOD PENDULUM RODS...

Available in four sizes...

#P-258 ... 3/4" wide x 36" ...**\$5.50**

#P-258B... 3/4" wide x 48" ...**\$8.75**

#P-259... 1" wide x 36" ...**\$5.50**

#P-259B... 1" wide x 48" ...**\$8.75**



NOVELTY CLOCK PENDULUM...

♦ A 7-1/2" long pendulum with a 7/8" dia.
plastic bob

♦ If desired, it can easily be shortened

#P-348... **\$1.50 each \$12.00 dozen**



BRASS ZAANDAM PENDULUM

♦ Solid cast brass bob with a brass rod and hook

♦ Threaded end with a brass knurled rating
adjustment nut

♦ 8-1/2" overall length #P-873...**\$9.00**

UNIVERSAL PENDULUM

♦ With a brass bob and
a steel rod, 6-5/8"
long

♦ Can be easily
shortened
to fit many
different clocks

#P-305...
\$10.75 each

ZAPPLER PENDULUM...

♦ A perfect replacement
for small novelty clocks

♦ Steel shaft, 2-3/4" long with
a 5/8" diameter brass bob

#P-612... **\$1.00 each**
\$9.00 dozen



REPLACEMENT DOLL for BLACK FOREST CLOCKS...

♦ A 2-3/8" x 1-5/16" handpainted
figure, complete with suspension
spring #P-808... **\$5.75**



82...Pendulums/Accessories

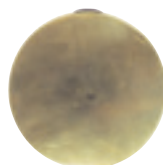
...S.T. #2 STYLE REGULATOR PENDULUM

An easily assembled, 3/4" wood stick pendulum used in S.T. #2 Regulators

#P-200... COMPLETE UNASSEMBLED PENDULUM ...\$39.00

Parts available individually...

- A) #P-201... Pendulum top: ...\$4.00 ea. 12+... \$3.50 ea.
 B) #P-202... Crutch plate: ...\$1.25 ea. 12+... \$1.00 ea.
 C) #P-203... Brass faced pendulum bob: ♦ 4-1/2" diameter
 ...\$27.50
 D) #P-204... Rating assembly ...\$5.00 ea. 3+... \$4.50 ea.
 E) #P-258... 36" Wood pendulum stick: ♦ 36" long x 3/4" wide
 ♦ Unfinished ...\$5.50



A
B
C
E

#P-1951... ASSEMBLED PENDULUM STICK for S.T. #2 Regulators

- ♦ 25-1/8" overall length
 ♦ Includes an assembled pendulum crutch plate, hook, rating assembly as illustrated at right. Requires only a #P-203 pendulum bob for a complete pendulum. ♦ Glossy black finish ...\$16.50



ASSEMBLY for ANSONIA "A" REGULATORS

- ♦ 11-13/16" overall length
 ♦ Black finish #P-1950... \$8.50

BOB for ANSONIA REGULATORS

- ♦ 4-1/2" diameter
 ♦ Brass faced
 #P-1955... \$18.00



ASSEMBLY for WATERBURY SHOP REGULATORS

- ♦ 16" overall length with a brass pendulum hanger, steel adjustment rod with a brass rating nut
 ♦ Wood pendulum stick with a glossy black finish #P-2075... \$9.25

BOB for WATERBURY SHOP REGULATORS

- ♦ 3-1/2" diameter solid brass front with a cast iron backing
 ♦ Polished #P-2074... \$16.00



SHOP REGULATOR PENDULUM

...Easily assembled!
#P-377 ...COMPLETE UNASSEMBLED PENDULUM ...\$21.00

Parts available individually:

- A) #P377A...
 Reversible Brass Hook
 ...\$1.25 ea. 12+... \$1.00 ea.
 B) #P-377B...
 18" rectangular wood stick with a slot at the bottom for the rating assembly
 ...\$4.00 ea. 3+... \$3.25 ea.
 C) #P-377C...
 4-1/2" brass faced bob with a steel back
 \$13.50
 D) #P-1178...
 Rating Assembly
 ...\$3.50 ea. 3+... \$3.00 ea.

A
B
C
D

D



BOB for GILBERT SHOP REGULATORS

- ♦ 4-1/2" diameter solid brass front with an iron backing
 ♦ Polished finish
 #P-2076... \$18.00



PENDULUM STICK ASSEMBLY for SHOP REGULATORS

- ♦ 14-5/16" overall length
 ♦ Brown stained finish
 #P-1949... \$8.25

Pendulums/Accessories...83

A... TALL CLOCK PENDULUM for English & American Bell Strike Grandfather Clocks...

The standard seconds beat pendulum for tall clocks

#P-26...COMPLETE PENDULUM with cast iron bob ...\$24.50

#P-26.1015...COMPLETE PENDULUM with #P-1015 brass-faced bob
...\$35.50

Parts available individually:

A) #P-10...Top suspension unit: \$5.50 each 12+... \$5.00 ea.

B) #P-26A... 33" Steel rod with 6/32" threads on both ends \$3.50

B...

C) Pendulum Bobs:

#P-26D... 4-1/2" dia. CAST IRON bob

◆ Replaces former #P26C cast iron bob

◆ 4-1/2" diameter ◆ 40.5 oz

◆ Requires larger #P26E spike ...\$15.00

#P-1015... 4-1/2" dia. BRASS-FACED bob

◆ 4-1/2" diameter brass-faced bob with lead backing.

◆ Accepts #P26B or #P26E spike

\$25.50 ea. 3+... \$24.50 ea.

D) Brass Pendulum Spikes

#P-26B...◆ 5-7/8" long (1-7/8" threaded) with a brass adjusting nut \$6.50

#P-26E...◆ 6-1/2" long (1-1/4" threaded) with a brass adjusting nut
...\$6.50

FUSEE PENDULUMS... Made in England

◆ Brass shafts ◆ 3" diameter lead filled brass bob

◆ Suspension spring included

#P-1091... 7-1/2" long

#P-332... 9-1/4" Long

#P-333... 11" long

Your Choice... \$79.75

BRASS PENDULUM BOBS for REGULATORS, GERMAN GRANDFATHER CLOCKS, and OTHER CLOCKS

◆ With a spun brass finish

#P-46A ---- 4-1/2" dia. brushed bob \$12.00

#P-46D ---- 4-1/2" dia. polished bob \$12.00

#P-46C ---- 5-1/2" dia. polished bob \$12.25

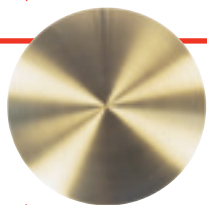
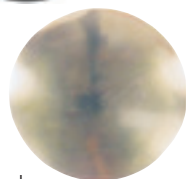
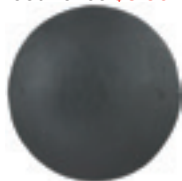
#P-46E ---- 5-1/2" dia. brushed bob \$12.25

#P-46F ---- 6-1/2" dia. polished bob \$24.75

PENDULUM BOB for LUX PENDULETTE CLOCKS...

◆ A silver faced, 7/8" diameter replacement pendulum bob for Lux novelty clocks

#P-799... \$1.75



84...Pendulums/Accessories

FRENCH CLOCK PENDULUMS...

- ♦ Each is complete with a brass hook and a 11-3/4" long steel rod which can be shortened to fit your clock.
- ♦ 3/48 thread for hook
- ♦ These pendulums are available with brass bobs in three different diameters:

#P-880: 1-1/2" dia. ...\$14.00

#P-16: 1-3/8" dia. ...\$12.75

#P-881: 1-1/4" dia. ...\$11.75

CAST SUNBURST PENDULUMS

- ♦ Antique brass finish
- ♦ Each is complete with a 12" long steel rod and a brass hook.

Choose from three sizes:

#P-453A...1-1/2" diameter ...\$10.00

#P-453B... 2" diameter ...\$10.50

#P-453C...3" diameter ...\$11.50

SILK THREAD PENDULUM FOR FRENCH CLOCKS...

- ♦ 11-3/4" long steel rod with a brass bob for silk thread suspensions

#P-58... \$7.75 each



#P-453A



#P-453B

#P-453C

SOLID BRASS PENDULUM INDICATORS...

Choose from 2 styles:



#P-16A



#P-16B



#P-16C

SOLID BRASS FRENCH-STYLE PENDULUM HOOKS

Now in three sizes!

#P-16A... STANDARD FRENCH/EMPIRE

- ♦ 13mm long with 3-48 thread ...\$1.75 ea. 12+... \$1.50 ea.

#P-16B... FRENCH MINI

- ♦ 12mm long with a hole- NO thread ...\$2.00 ea. 12+... \$1.75 ea.

#P-16C... LARGE FRENCH/VIENNA

- ♦ 20.5 mm long with 5-40 thread ...\$2.25 ea. 12+... \$2.00 ea.



#P-310... 3-3/8" long:

\$4.00 each 3+... \$3.50 each



#P-66...3-3/4" long \$4.00 each

3+... \$3.50 each

BRASS LYRES FOR QUARTZ PENDULUM MOVEMENTS...

Add these lyres to dress up your quartz movement pendulums!

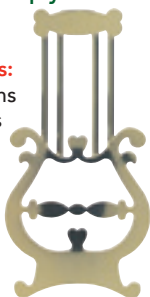
Available in two sizes:

#P-1463... for pendulums with 2-3/4" dia. bobs

#P-1464... for pendulums with 3-1/2" dia. bobs

Your Choice: \$2.75 ea.

12+... \$2.25 each



LARGE AMERICAN PENDULUM TIE-DOWN

- ♦ Solid cast brass
- ♦ 2-3/4" wide #P-2095... \$11.00



AMERICAN-MADE PENDULUM TIE-DOWN

- ♦ 2-1/8" long, solid brass tie-down

#P-317 ... \$8.00



Pendulums/Accessories...85

STEEL PENDULUM LEADERS...

#P-75C

♦ 2-1/8" long

#P-75D

♦ 3-1/4" long

#P-75A

♦ 5-1/2" long

#P-75F

♦ 6-7/8" long

Your choice...

\$6.50 each

12+...

\$6.00 each



CUCKOO CLOCK PENDULUM LEADER...

♦ A 3-3/4" steel pendulum leader for use with antique and modern cuckoos

#P-793... \$1.00 each \$6.00 doz.

S. T. - STYLE PENDULUM LEADER...

♦ Used in many Seth Thomas kitchen and shelf clocks

#P-1325... \$1.50

PENDULUM LEADERS

Hermle Pendulum Leader

♦ for #341-020 Movements

#P-1754... \$4.50 each 3+...\$4.25 ea.

For Hermle-style German clocks

♦ 5-1/2" long brass

#P-234... \$7.00 each 3+...\$6.50 ea.

COMPLETE PENDULUM STICKS for HERMLE® MOVEMENTS

Unfinished wood sticks with an attached pendulum hook and rating assembly.

♦ 3/4" wide wood stick

#P-1928PS... 85 cm ...\$8.50

#P-1036PS...94 cm\$8.50



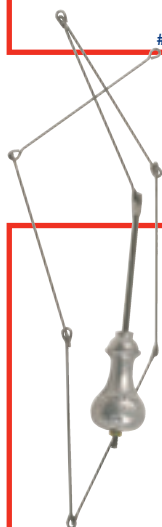
SECTIONAL WIRE MORBIER PENDULUM

with a cast metal bob

♦ Cast metal bob with a steel shaft, steel sectional wires and a brass rating nut

♦ Overall length: 36.5"

#P-1959... \$20.75



S.T. #2-STYLE RATING ASSEMBLY...

♦ 2-1/4" long threaded steel rod

♦ Brass regulating nut

#P-204... \$4.75 ea.

3+...\$4.25 ea.

SHOP REGULATOR RATING ASSEMBLY...

♦ 2-1/4" long copy of an antique original

♦ Complete with a threaded steel rod, and a brass regulating nut

#P-377D... \$6.00 ea. 3+... \$5.50 ea.



PENDULUMS for HERMLE® 21, 35, 45 & 55CM MOVEMENTS

A complete brass pendulum with a hook and a brass-faced bob (A&B: 3-1/8" dia.) (C: 2-3/4" dia.) (D: 2-3/16" dia.)

#P-1676D... for 21 cm movements

#P-1676A... for 35 cm movements

#P-1676B... for 45 cm movements

#P-1676C... for 55 cm movements

Your choice \$13.75 each

3+...\$12.00 each

SHOP REGULATOR RATING ASSEMBLY...

♦ 2-1/4" long copy of an antique original

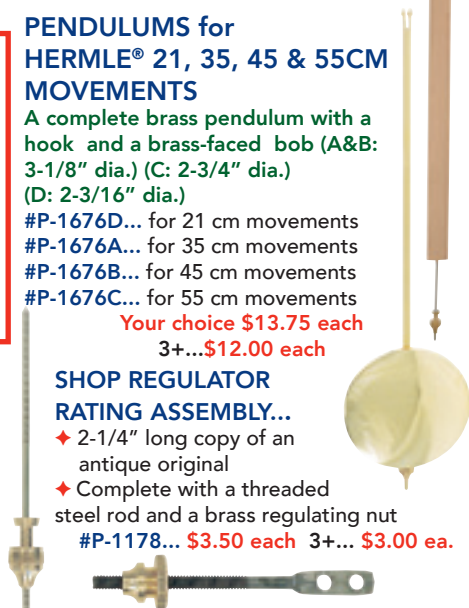
♦ Complete with a threaded steel rod and a brass regulating nut

#P-1178... \$3.50 each 3+... \$3.00 ea.

THREADED ADJUSTING ROD...

♦ Complete with a 3-1/2" long threaded rod and brass adjusting nut.

#P-48... \$3.25 each 6+... \$2.75 ea.



86...Pendulum Accessories/Weights

OVAL PENDULUM



RODS... ♦ Three different sizes, complete with adjusting nuts:

#P-481A... 4-3/4" long # P-481B... 6-1/4" long #P-481C... 7 -1/2" long

Your Choice...\$3.50 each 12+... \$3.00 ea.



BRASS ADJUSTING NUT for OVAL PENDULUM RODS

#P-270 ... \$1.00 each 12+... \$.75 ea.



TALL CLOCK PENDULUM

CRUTCH... Made in England

♦ 5-3/8" overall length

♦ Steel #P-12... \$14.50



VIENNA REGULATOR-STYLE

PENDULUM CRUTCH PLATE...

♦ Solid brass ♦ 1-3/4" long

#P-884... \$1.50 ea. 12+... \$1.25 ea.



AMERICAN-STYLE PENDULUM CRUTCH

PLATE... ♦ Solid brass ♦ 1-5/8" long

#P-202... \$1.50 ea. 1 2+... \$1.25 each

PENDULUM TOPS...

#P-201... Brass top for American-style regulators:
3/4" wide rods \$4.00 each 3+... \$3.50 ea.

#P-47A... Brass top for Urgos wall and grandmother
clocks \$1.50 each 12+... \$1.25 ea.

#P-759... Steel top for cuckoo clocks
\$1.00 each 12+... \$.50 ea.

#P-754... Brass Hermle-style top for wall and
Grandmother clocks: 3/4" wide rods
\$1.25 each 12+... \$1.00 ea.

#P-2150... Brass Kieninger pendulum hook for wood
stick Grandfather clock pendulums

♦ 3/4" wide x 1-7/8" long \$1.75 ea. #P-754



#P-201



#P-47A



#P-759



#P-2150



LEAD BANJO WEIGHT... ♦ 7 lb. ave. wgt.

♦ 6-1/4" high x 2-3/8" wide x 1-3/8" thick

#P-343... \$25.50

"TIN CAN" WEIGHT SHELLS... Made for Merritt's in Pennsylvania by a master tinsmith!!

♦ Exact copies of the original weights used on many
New England grandfather clocks

♦ Please note: An original pair consists of one each
of the following:

#P-299... 6-3/4" long x 2-1/2" dia. ...\$11.00

#P-300... 6-3/4" long x 2" dia. ...\$11.00



WILLARD-STYLE BANJO WEIGHT

A lead weight cast to replicate the weight used on Willard banjo
clocks. ♦ Lead with a steel weight hook

♦ 7.4 lbs. ave. weight

♦ 6-1/8" long x 2-1/16" wide at the bottom x 1-9/16" thick

#P-2013... \$26.50

Weights...87



CAST IRON WEIGHTS Cast to the same dimensions as antique originals... with a dark, antiqued finish!

- #CW-1... For American 8-day shelf clocks, OG's, Empire and Triple-Deckers: 8.5 lb.
 ♦ 5-3/8" H x 2-15/16" W x 2-9/16" D\$31.75 ...#CW-117
- #CW-2... For American 8-day shelf clocks, OG's, Empire and Triple-Deckers: 7.75 lb.
 ♦ 5" H x 3-1/4"W x 2-1/8" D.....\$25.75
- #CW-3... For 30-hour OG clocks w/ brass movements: 3 lb., 3-1/2" high x 2-3/16" diameter\$13.00
- #CW-4... For 30-hr. Woodworks, OG's, Pillar & Scrolls, Stencilled Column Clocks:
 ♦ 4 lbs., 3-5/8" long x 2-7/16" diameter\$16.25
- #CW-5... For 8-day Tall Clocks with brass movements: 14 lbs., 10-3/8" long x 2-7/8" diameter.....\$44.00
- #CW-102... For 30-hr. Tall Clocks: 7-1/8 lbs., 6-1/4" long x 2-1/2" maximum diameter.....\$23.50
- #CW-103... For Wag-On-Wall Clocks: 2-3/4 lbs., 4-1/2" high x 2" maximum diameter.....\$11.50
- #CW-104... For Tall Case clocks: 10 lbs., 7-1/8" high x 2-3/4" wide\$35.00
- #CW-111... For "Groaner" Woodworks Clocks: 4 lbs., 3-5/8" high x 2" wide x 2" depth\$13.50
- #CW-112... For 8-day Woodworks Clocks: 12 lbs., 4-1/2" high x 4" wide x 3" depth\$39.75
- #CW-116... For 30-hour Empire Column Clocks: 2-3/4 lbs.,
 ♦ 4-1/2" high x 2-1/4" wide x 1-1/8" depth.....\$11.50
- #CW-117... For 2-weight, Time-only Wall Clocks: 5 lbs., 6-1/8" high x 2-7/8" wide x 1-1/8" depth....\$16.50
- #P-820... For Alarms on early OG's and clocks with 3-train alarm movements: 1 lb., 3" high\$ 8.00
- #P-82... For Morbier Clocks ♦ 8-1/2 lb. ♦ 9" high x 2-3/4" dia.\$30.00 each 3+... \$28.00 ea.

TAPERED CAST IRON MORBIER WEIGHTS

COUNTER WEIGHT ♦ 4.09 oz. (115.9 g)

♦ 1-9/16" long x 1-1/16" dia. at base #P-2146... \$4.00

ALARM WEIGHT ♦ 2.28 oz. (64.6 g)

♦ 2-1/8" overall length x 11/16" dia. at base #P-2147... \$4.75

TALL ALARM WEIGHT ♦ 4.97 oz. (140.8 g)

♦ 3-3/8" overall length x 5/8" dia. at base #P-2148... \$5.50



88...Weights



VIENNA REGULATOR WEIGHTS

PLAIN BRASS:

#P-78A... ♦ 4-1/2" long
x 1-3/4" dia.

♦ 4 lbs., 3 oz.

#P-78B... ♦ 4-1/4" long
x 1-5/8" dia.

♦ 3 lbs., 4 oz.

#P-78C... ♦ 4" long
x 1-1/2" dia.

♦ 2 lbs., 8 oz.

Your Choice... **\$23.25 each**

3+ ... **\$21.50 ea.**

12+... **\$21.00 ea.**



EMBOSSSED BRASS:

Ready for assembly!

♦ 4-1/2" long x 1-3/4" dia.

♦ 4 lbs.

#P-80C... Complete weight**\$28.50**

#P-80S... Shell only**\$14.75**

#P-80W...Insert only.....**\$15.00**



CAST IRON CUCKOO WEIGHTS...

With an authentic painted finish!

One-day weights...

#P-171.250.... 250 grams (8.8 oz.)

#P-171.275.... 275 grams (9.7 oz.)

#P-171.320.... 320 grams (11.3 oz.)

#P-171.375.... 375 grams (13.2 oz.)

#P-171.420.... 420 grams 14.8 oz.)

Your choice... **\$4.00 each**

1 or 8-day weights...

#P-171.500 ... 500 grams(1 lb, 1.6 oz.)

#P-171.630 ... 630 grams(1 lb, 6.1 oz.)

#P-171.750 ... 750 grams(1 lb, 10.4 oz.)

#P-171.875 ... 875 grams(1 lb, 14.8 oz.)

Your choice... **\$7.00 each**

8-day weights...

#P-170.1000 . 1000 grams (2 lb, 3.2 oz.)

#P-170.1170 . 1170 grams (2 lb, 9.2 oz.)

#P-170.1260 . 1260 grams (2 lb, 12.4 oz.)

#P-170.1350 . 1350 grams (2 lb, 15.5 oz.)

#P-170.1500 . 1500 grams ... (3 lb, 4.8 oz.)

#P-170.1750 . 1750 grams(3 lb, 13.6 oz.)

Your choice...**\$12.50 each**

SOLID BRASS S. T. #3 STYLE REGULATOR WEIGHT

♦ Solid brass shell: 6-1/8" long x
2-1/8" diameter

♦ Complete with hook and
knurled top/bottom

#P-2072... Shell & Hook with washer
only (Insert NOT included) ...**\$45.00**

#P-2073...Lead Insert only

♦ 6.20 Lb. (Not illustrated) **\$24.00**

#P-2077... Hook/Washer only **\$ 5.75**



SOLID BRASS S.T. #2 STYLE REGULATOR WEIGHT

♦ 6-1/4" long brass shell,
1-3/4" diameter

♦ 5 lbs. with insert

#P-79C...Complete weight

...**\$43.00**

#P-79S... Shell only ..**\$26.00**

#P-79W...Insert only..**\$19.50**

#P-79H...Hook only...**\$ 3.00**



3 PC. WEIGHT SETS FOR HERMLE® MOVEMENTS...

♦ 3 polished shells complete with cast iron inserts
and hooks

♦ Anodized aluminum with a polished brass finish

For Hermle #1161 and #1171 movements:

♦ Shells: 2-23/64" (60 mm) x 9-41/64" (245 mm)

♦ Weights: 2 @ 7.7 lbs and 1 @ 9.9 lbs

#P-1431... **\$95.00 Set**

For Hermle #451 Series Grandmother Clock

Movements ♦ Weights: 1 @ 6.6 lbs. and 2 @ 4.7 lbs.

♦ Shells: 1-27/32" (47mm) x 10-45/64" (272mm)

#P-1470... **\$79.00 Set**





GRANDFATHER AND GRANDMOTHER WEIGHTS...

Polished brass shells complete with cast iron inserts, hook, bottom and rod...ready for assembly!

For Grandfather clocks...

#P-55S...Shell only ...\$ CALL

#P-55W...Insert only ...\$ CALL

#P-55C... Complete weight

♦ 7 1/2 lbs. ♦ 60mm x 245mm ...\$ CALL

#P1039W...7.7 lb. cast iron insert for 1161 and 1171 Hermle movements.

♦ Fits #P-55S shell ♦ Will not fit P-1987S Shell ♦ 2" x 10" ...\$ CALL

P-1039HW...9.9 lb. cast iron insert for 1161 and 1171 Hermle movements.

♦ Fits #P-55S shell ♦ 2-1/8" x 9-1/2" ♦ Will not fit P-1987S shell...\$ CALL

For Grandmother clocks...

#P-771S...Shell only...\$ CALL #P-771W...Insert only ...\$ CALL

#P-771C... Complete weight ♦ 4.7 lbs. ♦ 40mm x 232mm ...\$ CALL

#P-771CHW...Complete heavy weight for Hermle #451 movements

♦ 6.6 lbs. ♦ 40mm x 232mm ...\$ CALL

#P1036W... 6.6lb. lead insert only for P-771S Shell: fits #451 Hermle movements

♦ 1-1/2" dia. x 9" long ...\$ CALL

POLISHED BRASS FINISHED WEIGHT SHELL for HERMLE® MOVEMENTS...

♦ A metal shell only with a brass finish, top hook and bottom nut (insert available, but not included)

♦ 2-11/32" diameter x 9-35/64" long

#P-1987S... \$19.50 each Set of 3 Shells....\$54.00 set



BRASS FINISHED GRANDMOTHER CLOCK WEIGHT SHELLS...

A set of three weight shells, complete with a hook, bottom knob and rod.

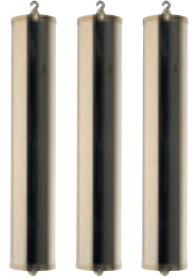
♦ For Hermle #451 and similar grandmother movements

♦ 1-9/16" dia. x 9" long

♦ Aluminum with a bright brass finish

♦ Can be used with either P-1036W or P-771W inserts

#P-1948S... \$26.00 each Set of 3...\$73.50



Due to the rapid fluctuation of the EURO and shipping costs, please call for current prices.

REPLACEMENT WEIGHT SETS for Lux Pendulettes

#P-800... PINE CONE

WEIGHT SET

♦ 7/8" long cones only: no chain

#P-801... CYLINDER WEIGHT SET

♦ 11/16" long cylinder only: no chain

Your Choice...

\$2.50 Set



FACTORY REPLACEMENT WEIGHT/CHAIN SETS for novelty clocks...

#P-809... PINE CONE WEIGHT SET

♦ 1" long cones w/ brass chains

♦ 2" overall length

P-810...

CYLINDER WEIGHT SET

♦ 11/16" long cones with brass chains

♦ 2" overall length

Your Choice... \$2.25 Set



90...Weights/Accessories



- #P-178... **BRASS CHAIN STOP RINGS** ♦ 5/8" diameter ...\$7.25 dozen
- #P-369... **BRASS WEIGHT HOOKS** for Vienna Regulators
♦ 7/8" long threaded hook with a washer ...\$2.50 12+... \$2.00 ea.
- #P-208... **SCREW-IN BRASS WEIGHT HOOKS** for Vienna Regulators
♦ 1-1/2 " long hook with a screw-in stud for the repair of Vienna Regulator weights ...\$2.50 12+... \$2.25 ea.
- #P-177 ... **CUCKOO CHAIN HOOK and RING** ♦ Brass hooks/rings sold one dozen pairs per pack \$3.00 pack 3+... \$2.75 pack 12+... \$2.50 pack
- BRASS WEIGHT HOOK/BOTTOM** for Grandfather & Grandmother weights
- #P-143... ♦ Pre-drilled and tapped with a 1/8" thread \$5.75 set 12+... \$5.50 ea.
- #P-143M ... ♦ with 3/16" threaded studs that screw into your weight insert \$5.75 set 12+... \$5.50 ea.
- #P-179... **BRASS CHAIN ENDS** for Grandfather and Grandmother weights
♦ Sold in pairs only \$3.50 pair 12+ pr.... \$3.25 ea.
- #P-357... **STEEL "S" HOOK**
♦ Great for hanging clock weights in OG and other clocks! \$2.75 dozen



PULLEY CONVERSION KIT for ENGLISH BELL STRIKE TALL CLOCKS...

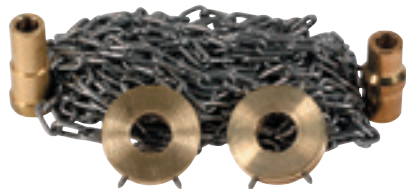
Complete with 2 brass pulleys and chain to convert your rope-driven clock to chain drive.
#P-37... \$99.00



LEAD DONUT COUNTERWEIGHT...

♦ For endless chain and rope movements #P-121... \$3.50

TALL CLOCK CHAIN AND SPROCKET SET



Improved quality... Made in England to high British Horological standards!

- ♦ Convert your rope movement to chain drive or refurbish worn-out chain sprockets
- ♦ Set includes two brass and steel sprocket wheels, two brass sprocket sleeves and 12 feet of steel chain (33.5 links per foot)
#P-1864... \$59.00



SOLID BRASS PULLEYS...

For Hermle cable-driven floor clocks...

- ♦ 1-3/4" diameter
#P-993... \$14.00 each



For Banjos and other weight-driven American clocks...

- ♦ 1-1/16" dia.
#P-67... \$5.00 each

Weight Accessories...91

SOLID BRASS PULLEYS...

For Grandfather movements
with cable or catgut...

- #P-7... 1-1/2" diameter
- #P-7A... 1-3/4" diameter

Your choice... **\$7.75 each**

For rope or chain

Grandfather movements...

- #P-7R... 1-1/2" diameter **\$9.50 each**

For Vienna Regulators...

EARLY-STYLE FIVE SPOKE PULLEY

- ♦ 1-1/8" diameter

#P-1311... **\$6.00 each**

#P-96...

- ♦ 1-1/8" dia.

\$5.25 each



BRASS

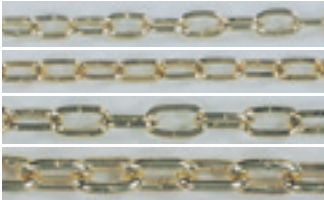
PLATED CHAIN... Each chain consists of a 6 foot length with a hook and ring included. Sold by the piece...

S-88

S-32

S-86

S-83



Wire Dia.: Link/Ft.: Price:

#S-88----- .90 mm----- 61----- **\$6.50**

#S-32----- .80 mm----- 59----- **\$9.00**

#S-86----- 1.05 mm----- 48----- **\$8.00**

#S-83----- 1.35 mm----- 45----- **\$9.00**



BRASS CHAIN... for all Hermle chain-driven movements

- ♦ Complete with hook and end plate
- ♦ 46.5 links per foot ♦ 57" per length

P-1229... \$14.50 per length

LADDER CHAIN... Will fit most Sessions, Waterbury and New Haven clocks!

- ♦ Brass plated ♦ 43 links per foot
- ♦ 1.3 mm wire diameter ♦ 72" per length
- ♦ Width of link: 8.5 mm

#P-1565... \$13.00 per length



LARGE DUST COVERS

for OG's, Woodworks and other American weight-driven clocks

- ♦ Made from pine: ready to sand lightly and stain!

- ♦ 5-9/32" long x 1" wide x 1" high

- ♦ Milled 7/8" deep for pulleys at the deepest point

#P-1986... **\$3.50 pair**



Wood Dust Covers...

- ♦ Made from pine: ready to sand lightly and stain!

- ♦ 4-5/8" long x 7/8" wide

- ♦ Milled 17/32" deep for pulleys at the deepest point

#P-554...

\$3.00 pair 12+... \$2.50 each pair



WOOD PULLEYS ...

Stained, finished and ready to install.

#P-1164... for OG clocks

- ♦ 15/16" dia. x 7/16" thick

#P-1165...for Woodworks clocks

- ♦ 1-3/16" dia. x 9/16" thick

Your Choice... **\$2.50 pair 12+... \$2.00 pr.**

STEEL CHAIN

for 30-hour Tall Case clocks

- ♦ 33 links per foot

- ♦ 12 feet per length

#P-374... \$16.00 per length



92...Cable/Cord

ROPE FOR TALL CASE CLOCKS

- ♦ Sold in 11 foot long hanks

#P2003A... 5.0mm

#P2003B... 6.0mm

#P2003C... 7.0mm

YOUR CHOICE

\$18.00 hank



STAINLESS STEEL CABLE

3/64" for tall clocks with extra heavy weights:

#P-88S.21 ... 21' coil.....**\$8.25**

#P-88S.100...100' coil**\$27.00**

#P-88S.1000...1000' coil **\$199.00**

1/16" for Tall Case Clocks:

#P-87S.21 ... 21' coil**\$8.25**

#P-87S.100...100' coil**\$27.00**

#P-87S.1000...1000' coil **\$235.00**

SYNTHETIC CORD...

For Grandfather and American Weight Clocks

- ♦ Thickness: 1/16"

#P-27.21... 21' coil ...**\$5.00**

#P-27.100... 100' coil ...**\$13.00**



BRASS CABLE 1/32" for Vienna

Regulators:

#P-114.21 ... 21' coil**\$8.50**

#P-114.100...100' coil**\$33.00**

#P-114.1000...1000' coil.....**\$299.00**



3/64" for Wall & Shelf Clocks:

#P-88B.21 ... 21' coil**\$8.25**

#P-88B.100...100' coil**\$27.00**

#P-88B.1000...1000' coil**\$250.00**

1/16" for Tall Case Clocks:

#P-87.21 ... 21' coil**\$8.50**

#P-87.100...100' coil**\$33.50**

#P-87.1000...1000' coil**\$299.00**

5/64" for Tubular Chime Grandfather Clocks:

#P-542.10... 10' coil**\$6.50**

#P-542.100...100' coil**\$49.00**

CATGUT...

- ♦ 20 ft. coils sized by B&S gauge:

#P-8.15... 1.4 mm
for Grandfather clocks
...**\$13.50 Coil**

#P-8.20... .8 mm
for Vienna Regulators
...**\$11.50 Coil**

#P-8.22... .65 mm
for Vienna Regulators ...**\$11.50 Coil**



BRAIDED NYLON CORD...

For Vienna Regulators...

- ♦ 35 lb. test ♦ .62 mm

#P-731.21... 21' coil **\$3.00**

#P-731.100... 100' coil **\$8.00**

For American Weight Clocks...

- ♦ 80 lb. test ♦ 1.25 mm

#P-255.21... 21' coil **\$3.00**

#P-255.100... 100' coil **\$8.00**

For Grandfather Clocks...

- ♦ Thickness: 1/16" ♦ 80-100 lbs.

#P-278... 300' coil **\$17.50**



#P-1992A,B,C



#P-1992D

CABLE RETAINERS for HERMLE® MOVEMENTS

#P-1992A... for #1171 & #471 series movements

#P-1992B... for #241 series movements

#P-1992C... for #1161 series movements

#P-1992D... for #461 series movements

YOUR CHOICE ...\$4.00 ea.

Cable/Suspensions...93

REPLACEMENT FLOOR CLOCK CABLES

with installed brass ends, .040 diameter cable (1.00mm) just like the factory originals!

- #P-1901A... Kieninger 51" Replacement... \$5.00 each
- #P-1901B... Kieninger 60" Replacement... \$5.50 each
- #P-1901C... Kieninger 76" Replacement... \$5.50 each
- #P-1901D... Kieninger 90-1/2" Replacement... \$6.00 each
- #P-1902A... Urgos 53" Replacement... \$5.50 each
- #P-1902B... Urgos 106" Replacement... \$7.00 each
- #P-1903A... Hermle 53-1/2" Replacement... \$5.50 each
- #P-1903B... Hermle 61" Replacement... \$6.00 each



REPLACEMENT BRASS CABLE END SETS

20 PC. ASSORTMENT SET for Hermle, Urgos and Kieninger cables

#P-1899...\$6.00 set

6 PC. CABLE END SETS ♦ All 6 piece sets consist of three each of two cable ends.

#P-1900A... 6 pc. for Hermle Cables

#P-1900B... 6 pc. for Urgos Cables

#P-1900C... 6 pc. for Kieninger Cables Your Choice...\$2.50 ea. Any 3+...\$2.00 ea.

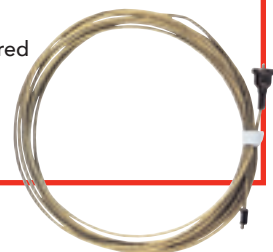
PRE-CUT HERMLE CABLE... Ready to install, factory replacement cable for Hermle floor clocks!

♦ Complete with brass end fittings

#P-991... .040" thickness for Hermle movements manufactured from 1986 to the present (89" long)

...\$14.75 each

#P-1345... .040" thickness for Hermle #1171 movements (105" long) ...\$19.75 each



MORBIER-STYLE SUSPENSIONS...

#P-21.308... Traditional Morbier-style suspension

♦ 12 mm wide x 24.2 mm long
\$7.50 each

#P-21.304... Heavy duty suspension to eliminate

pendulum wobble. Also for clocks with lyre pendulums.

♦ 11.9 mm wide x 25 mm long
\$6.00 each 12+... \$5.50 each



#P-21.308



#P-21.304



SUSPENSION SPRINGS AND CLIPS...

For use with some types of German pendulums and other clocks

#P-36B...Clip \$1.00 ea.

12+... \$.50 ea. #P-21.102...

#P-21.102...Spring

#P-21.100... Spring #P-36B...

Your Choice: \$2.25 ea.

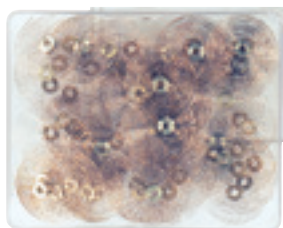
12+... \$2.00 ea.



24-PIECE SUSPENSION SPRING ASSORTMENT

An assortment of two (2) dozen quality suspension springs

#P-107...\$36.00



COPPER HAIRSPRING ASSORTMENT...

A 72 piece assortment for alarm clocks, lever escapements and more!

#P-616 ... \$10.00 Asst.

94... Suspensions

SUSPENSION SPRINGS... Our expansive line of suspension springs for most European wall, shelf, and grandfather clocks...all at very low prices!!!



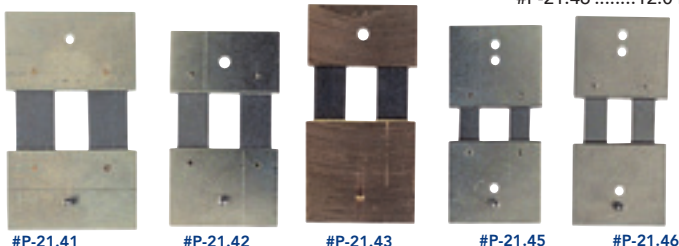
#P-21.2 #P-21.3 #P-21.4 #P-21.5 #P-21.6 #P-21.7

Your Choice: **\$2.25 ea.** 12+...**\$2.00 ea.**



#P-21.27 #P-21.28 #P-21.29 #P-21.30 #P-21.31 #P-21.32

Your Choice: **\$4.75 each** 12+...**\$4.25 ea.**



#P-21.41 #P-21.42 #P-21.43 #P-21.45 #P-21.46

Your Choice: **\$5.75 each** 12+... **\$5.50 each**

Overall width: Overall length:

#P-21.2	7.7 mm	15.2 mm
#P-21.3	7.7 mm	16.2 mm
#P-21.4	7.7 mm	17.2 mm
#P-21.5	7.7 mm	18.2 mm
#P-21.6	7.7 mm	19.4 mm
#P-21.7	7.8 mm	19.8 mm

#P-21.27	4.9 mm	21.5 mm
#P-21.28	4.9 mm	22.8 mm
#P-21.29	4.9 mm	23.5 mm
#P-21.30	4.7 mm	24.5 mm
#P-21.31	4.7 mm	27.8 mm
#P-21.32	5.7 mm	31.0 mm
#P-21.132	3.8 mm	25.4 mm

#P-21.41	16.9 mm	27.4 mm
#P-21.42	13.9 mm	24.5 mm
#P-21.43	13.9 mm	28.0 mm
#P-21.45	12.0 mm	25.5 mm
#P-21.46	12.0 mm	25.0 mm



HERMLE/KIENNINGER SUSPENSION SPRING ASSORTMENT

♦ 10 piece assortment of suspensions to fit virtually any movement by these manufacturers
#P-1376 ...for Kienninger movts.
#P-1377 ...for Hermle movts.
 Your Choice... **\$37.50 each**

2 pc. TALL CLOCK SUSPENSION SPRING

♦ 4-11/16" long
#P-1785...
\$4.25 each
 12+...**\$3.00 each**



HERMLE® SUSPENSION SPRING SCREW

#P-1834... \$2.60 each

TALL CLOCK SUSPENSION SPRING

♦ 5-5/8" long
#P-10... \$5.50 each
 12+... **\$5.00 each**

TALL CLOCK SUSPENSION BRIDGE...

♦ A solid brass replacement bridge for damaged or missing originals on American and English tall clock movements
 ♦ 2-3/8" wide x 29/32" high
 ♦ 1-3/4" between mounting holes **#P-1317... \$10.75 each**



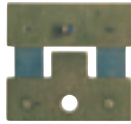
Suspensions ...95

SUSPENSION SPRING

for Kieninger & Obergfell,
Kundo, and other
Electro-Mechanical Clock
Movements

#P-1560... \$16.50 each

3+ ...\$16.00 ea. 12+... \$15.50 ea.



SUSPENSION FOR TIME CLOCKS and LARGE REGULATORS

♦ 1-9/16" long x
13/32" wide

♦ Steel with brass
ends

#P-1387... \$4.00 each

3+... \$3.50 ea. 12+... \$3.00 ea.



SUSPENSION SPRINGS for URGOS SELF-ADJUSTING MOVEMENTS...

#P-671... 1-11/16" long for
grandfather movements

#P-672... 1-1/8" long for
grandmother movements

Your Choice: \$8.50 each

3+...\$8.25 ea. 12+... \$7.75 ea.



HERSCHEDE SUSPENSIONS

A replacement suspension
for Herschede hall clocks

♦ Steel: .006" thick

♦ 1-3/4" long x 1/2" wide

#P-936... \$3.50

3+... \$3.25 ea. 12+... \$3.00 ea.



S.T. #2 REGULATOR TYPE SUSPENSION...

♦ 1-1/4" long

#P-350... \$3.25 each

3+... \$3.00 ea.

12+... \$2.75 ea.



FUSEE SUSPENSION SPRING

...with a round brass end

♦ 1-7/16" long

#P-1768... \$2.50 each

12+... \$2.00 each



ENGLISH FUSEE and VIENNA REGULATOR SUSPENSION...

♦ 2-1/4" long

#P-102... \$5.25 each 12+...\$4.75 ea.



ANSONIA REGULATOR SUSPENSIONS with "T-type" hangers

#P-851... For movements with front-mount suspensions
\$3.50 each 12+... \$3.00 ea.

#P-852... For movements with rear-mount suspensions
\$3.50 each 12+... \$3.00 ea.

#P-852

#P-851

#P-1318

S.T.-STYLE SUSPENSION UNIT

♦ Exact copy of the original unit used on the S.T. #89 and
other S.T. movements

♦ Complete with an attached suspension spring, brass
keystone, and a 10" lower rod (can be trimmed to the
length you require)

♦ Keystone: 1-15/16" overall width x 3-3/4" long

#P-1318 ... \$6.50 each

Full length
not shown

ANSONIA-STYLE SUSPENSION BLOCK & SPRING UNIT A completely assembled unit for Ansonia Swing Arm clocks!

♦ Solid brass blocks with high quality steel springs

♦ Complete with mounting screws #P-1813... \$29.50



ANSONIA SWINGING ARM SPRINGS

♦ Pack of 5 springs as illustrated

#P-1814... .004" thick... \$4.50 each pack

#P-1815... .007" thick... \$4.50 each pack



96... Suspensions

#P-111 #P-543

SUSPENSION RODS for AMERICAN CLOCKS

3- PC. SUSPENSION ROD... ♦ A durable, long lasting 17" long rod constructed from three pieces #P-111... **\$3.50 dozen** 12+... **\$3.00 doz.**

"OLD STYLE" ONE PIECE SUSPENSION ROD...

♦ A traditionally constructed one piece rod, 24" overall length
#P-543... **\$9.00 dozen** 12+... **\$8.50 doz.**



Full rod length not shown

400-DAY CLOCK SUSPENSION UNITS... Completely assembled with fork and blocks. Units are guaranteed for the clock/model specified.



No: Horolovar #:

P-872.1...	1	Kundo Standard 49
P-872.3A/B...	3A	Kundo Standard 53
P-872.3A/B...	3B	Kundo Standard 54
P-872.3C...	3C	Kundo Standard 55
P-872.5A...	5A	Kundo Junior 53
P-872.5B...	5B	Kundo Junior 54
P-872.5E...	5E	Kundo Junior 56
P-872.5F...	5F	Kundo Midget 58
*P-872.6789...	6789	Schatz Standard 49
*P-872.10A/B...	10 A	Schatz Miniature 53
*P-872.10A/B...	10 B	Schatz 1000-Day 54
*P-872.10C...	10C	Schatz Midget 57
P-872.11A...	11A	Kern Standard 50
P-872.11B...	11B	Kern Standard 54
P-872.12C...	12C	Kern Miniature 57
P-872.12D...	12D	Kern Miniature 58
P-872.12E...	12E	Kern Midget 58
P-872.12F...	12F	Kern Miniature 61
*P-872.13B...	13B	Koma Standard 52
*P-872.13C...	13C	Koma Standard 56
*P-872.14A...	14A	Koma Miniature 54
*P-872.14B...	14B	Koma Miniature 65
P-872.16...	16	Link Standard 52
P-872.18C...	18C	Peterson Standard 54
P-872.20A...	20A	Herr Standard 54
P-872.20B...	20B	Herr Standard 54
P-872.23A...	23A	Reiner Standard 53
P-872.23B...	23B	Reiner Standard 56
P-872.25A...	25A	Hermle Standard 53
P-872.25B...	25B	Hermle Miniature 54
P-872.27A...	27A	Herr Standard 53
P-872.27B...	27B	Herr Standard 55
P-872.27C...	27C	Neueck Standard 57
P-872.28A...	28A	Herr Miniature 53
P-872.28B...	28B	Herr Miniature 54
P-872.28C...	28C	Herr Miniature 56

No: Horolovar #:

P-872.29A...	29A	Henn Miniature 52
P-872.29B...	29B	Henn Miniature 53
P-872.31...	31	Henn Standard 52
P-872.32...	32	Henn Standard 54
P-872.33...	33	Jauch & Haller 54
P-872.34...	34	Kaiser Standard 54
P-872.35...	35	Link Miniature 56
P-872.36B...	36B	Petersen Stand. 55
*P-872.38A...	38A	Koma Midget 57
P-872.41B...	41B	Master Standard 55
*P-872.42A...	42A	S. Haller Standard 73
P-872.43A...	43A	S. Haller Miniature 73
P-872.44A...	44A	S. Haller Midget 73
P-872.45A...	45A	Master Standard 70
P-872.46A...	46A	New Master 80

Battery Operated:

No: Horolovar #:

P-872.47...	47	Hermle Miniature 71
P-872.48B...	48B	Kundo Standard 73
P-872.49B...	49B	Kundo Miniature 73
P-872.50B...	50B	Master Standard 75
P-872.51B...	51B	Kundo Standard 76
P-872.52B...	52B	Kundo Miniature 76
P-872.53B...	53B	Hermle/Koma 76
P-872.54A...	54A	
P-872.54B...	54B	Hermle/Koma 77
P-872.55...	55	Kern Standard 75
P-872.56...	56	Kern Miniature 55
P-872.57...	57	Kern Standard 77
P-872.58...	58	Kern Miniature 77
P-872.59...	59	Kern Miniature 78
P-872.60B...	60B	Master 75
P-872.61B...	61B	Master 77
P-872.65A...	65A	Kundo Miniature 79
P-872.66A...	66A	Koma Miniature 80
P-872.67B...	67B	Hermle 80 Quartz
P-872.68B...	68B	Hermle 83 Quartz

SLOTTED SUSPENSION STUD...

♦ Use on Kitchen clocks, OG's and all types of American clocks
♦ 3/4" long with the small end threaded with a 4-36 nut (included)
#P-211...
\$1.00 each
\$9.00 dozen

Your Choice... (Except those marked with an*)
\$18.00 each
3+...\$17.50 each

Those with an asterisk (*)... **\$26.00 each** 3+... **\$25.50 each**



#P-925...

For use with #130 Series movements

Your choice... \$51.50 ea.

Any 3+...\$50.00 ea. Any 6+...\$49.00 ea.

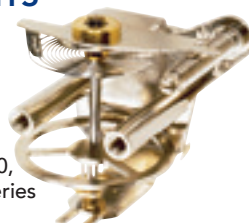
HERMLE BALANCE UNITS

♦ New balances used on currently manufactured Hermle movements

♦ Interchangeable with, and can be used as replacements for the old style balance unit

#P-926...

For use with #340, 350, and 1050 Series movements





HOROLOVAR TEMPERATURE COMPENSATING 400-DAY CLOCK SUSPENSION SPRINGS...

- ♦ Spring tension is controlled during temperature changes
- ♦ Made of a special NiSpan "C" alloy that is far superior to steel or bronze
- ♦ Allowances are made for the expansion and contraction of the pendulum bob

#P-490...POPULAR 12 SPRING ASSORTMENT: Contains the following:
.002", .0023"(2), .0025", .003", .0032"(2), .0035"(2), .0037", .004"(2)

...\$19.00 per assortment

#P-491...INTERMEDIATE 12 SPRING ASSORTMENT: Contains 1 each:
.0018", .0019", .0021", .0022", .0024", .0028", .0031", .0033", .0036", .0038",
.0045", .005"

...\$19.00 per assortment

HOROLOVAR 3 SPRING PACKS...3 suspensions of the same size per pack YOUR CHOICE... \$4.75 pk. 4+ packs...\$4.25 pack

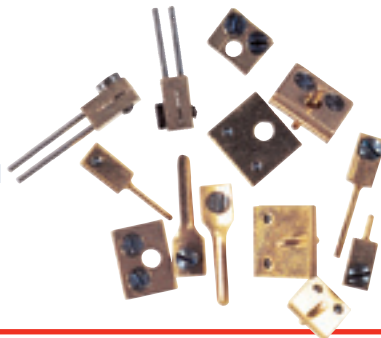
NO:.....	INCHES	MM	NO:.....	INCHES	MM	NO:.....	INCHES	MM
#P-473.0018 ...	.0018	.046	#P-473.0024 ...	.0024	.061	#P-473.0033 ...	.0033	.084
#P-473.0019 ...	.0019	.048	#P-473.0025 ...	.0025	.064	#P-473.0034 ...	.0034	.085
#P-473.0020 ...	.002	.051	#P-473.0028 ...	.0028	.071	#P-473.0035 ...	.0035	.089
#P-473.0021 ...	.0021	.053	#P-473.0030 ...	.003	.076	#P-473.0036 ...	.0036	.091
#P-473.0022 ...	.0022	.056	#P-473.0031 ...	.0031	.079	#P-473.0037 ...	.0037	.094
#P-473.0023 ..	.0023	.058	#P-473.0032 ...	.0032	.081	#P-473.0038 ...	.0038	.097
						#P-473.0040 ...	.004	.102

LARGE SIZE SUSPENSIONS... ♦ 12 suspensions per pack:

- ♦ Top, bottom and fork are not included)

YOUR CHOICE: \$17.50 pack

NO:.....	INCHES	MM
#P-473.0045	.0045	.114
#P-473.0050	.005	.127
#P-473.0055	.0055	.140
#P-473.0060	.006	.152



ASSORTMENT of TOP/BOTTOM BLOCKS and FORKS for 400-DAY CLOCKS...

- ♦ 12 piece assortment

#P-366 ...\$70.00 assortment

TOP/BOTTOM BLOCKS AND FORKS FOR 400-DAY CLOCKS...

Your Choice: \$8.50 each Any 12... \$8.00 ea.



#P-995...
Top Block I
(8 x 7mm)



#P-998...
Top Block II
(8 x 6mm)



#P-1001...
Top Block III
(6 x 5mm)



#P-996...
Bottom Block I
(8 x 7mm)



#P-999...
Bottom Block II
(8 x 6mm)



#P-1002...
Bottom Block III
(6x 5mm)



#P-997...
Fork I
(16mm long)



#P-1000...
Fork II
(14mm long)



#P-1003...
Fork EK
(9mm long)



#P-1004...
Fork MK
(13mm long)



#P-1005...
Fork EH
(12mm long)



#P-1006...
Fork EN
(14mm long)

98...Platforms/Gears

SWISS MADE PLATFORM ESCAPEMENTS

- ♦ Eleven ruby jewels
- ♦ Reversible regulator
- ♦ Clockwise direction
- ♦ Polished pinion/escape wheel
- ♦ Balance with screws...18,000 vibrations
- ♦ Temperature compensated flatisoval hairspring
- ♦ Actual size illustrated
- ♦ Gold-plated cocks/plates
- ♦ Screwed end plates
- ♦ 8 leaf escape wheel

#P-438.1...

♦ 18 x 28mm



#P-438.2...

♦ 23 x 36mm



#P-438.2A...

♦ 25 x 38mm



#P-438.2C...

♦ 25 x 36mm



#P-438.4...

♦ 30 x 41mm



REPLACEMENT BALANCE STAFFS...

(not pictured)

#P-438.BS1... for #1 platform

#P-438.BS2...for #2, 2A, 2C and #4 platforms

Your choice... \$16.75 each

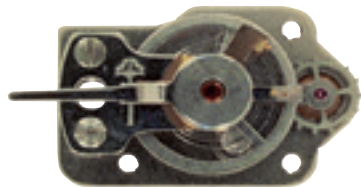
6 JEWEL PLATFORM ESCAPEMENT

for Urgos Movements #UW06,
#UW20, and #UW 65

♦ 28.5 mm (1-1/8") x 18.5 mm (23/32")

#P-1527... \$39.00 ea

3+... \$35.00 ea. 12+... \$30.00 ea.



HERMLE PLATFORM

Factory replacement for the #132-071
Ship's Bell movement

♦ Ruby jewels

♦ 34mm (1-11/32") x 21.4mm (27/32")

#P-1216... \$145.00 each



CALENDAR CONVERSION KITS...

Convert any clock to a calendar in minutes!

♦ Each kit includes a 31-tooth date wheel, a calendar drive pinion and an intermediate wheel with bracket and date wheel retainer

#P-106J... for Japanese school clocks

#P-628... Universal conversion kit

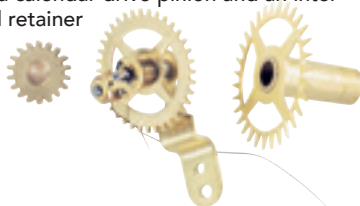
#P-877... for Waterbury school clocks

#P-878... for S.T. school clocks

#P-879... for Ansonia school clocks

#P-1319... for Sessions school clocks

Your Choice... \$9.00 each



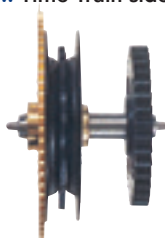
Gears/Escapement Parts...99

CUCKOO CHAIN WHEELS...

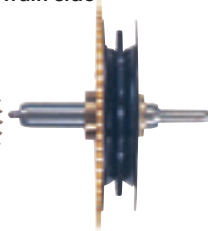
For Regula #A25 One-day movements:

- ♦ 33 mm diameter ♦ 64 teeth

#P-804... Time Train side



#P-805... Strike Train side



CUCKOO CHAIN WHEELS...

For Regula #34 Eight-day movements:

- ♦ 36 mm diameter

#P-806... Time Train side ♦ 64 teeth



#P-807... Strike Train side ♦ 65 teeth



Your Choice... \$6.00 each Any 3...\$16.50

Your Choice... \$8.00 each Any 3...\$21.00

3 PC. CALENDAR WHEEL...

- ♦ For English and American tall clocks with the calendar aperture below the center shaft

#P-1433 ...Only \$13.50



ESCAPE SHAFT & PINION...



- ♦ An easy way to change pendulum drops or replace damaged pinions
- ♦ This is a steel shaft with completely installed pinion and gear hub
- ♦ 2" overall length

#P-681.6... 6 leaf pinion Your Choice

#P-681.7... 7 leaf pinion \$3.00 each

#P-681.8... 8 leaf pinion 3+ ...\$2.75 ea.

#P-681.9... 9 leaf pinion

#P-681.10... 10 leaf pinion

TENSION WASHER ASSORTMENTS...

Assorted size lock washers to lock up gears and rods to correct endshake for a smoother running clock

#P-609... 100 pieces, assorted sizes

...\$2.75

#P-1020... 24 piece assortment for new German grandfather and mantel movements

...\$5.00



MINUTE TENSION SPRING...

For tall case clocks

- ♦ 29/32" long x 3/8" wide

#P-261... \$1.00 ea.

12+... \$.75 ea.

100...Verges/Escapement Parts

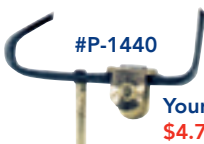
UNIVERSAL VERGES...

3 verges designed to fit over fifty different American clock movements

- ◆ Each verge is tempered, polished and ready for installation on your movement
- ◆ Just match your damaged verge to the illustration (shown actual size)



#P-1439



#P-1440



#P-1441

Your Choice...

\$4.75 each

3+ ... \$4.25 ea.



12-PIECE VERGE ASSORTMENT IN THE MOST POPULAR SIZES...

- ◆ Includes the most common sizes to fit most repair needs!

#P-1363... Only \$27.00

per assortment

BETWEEN-THE-PLATE VERGES FOR ANSONIA CLOCKS...



#P-734

#P-735

#P-736

#P-734...will fit Ansonia kitchen clock movements

#P-735...will fit Ansonia short-drop and the small long drop movements

#P-736...will fit the larger Ansonia long drop regulator "A" movements

Your Choice... \$6.50 each Any 3+... \$6.00 ea.

SESSIONS BETWEEN-THE-PLATE VERGE

#P-2023... \$6.50

3+... \$6.00 each



VERGES FOR REGULA CUCKOO MOVEMENTS

#P-1269... for one-day Regula cuckoo movements

#P-1270... for eight-day Regula cuckoo movements

Your Choice... \$2.00 each

3+... \$1.75 ea.



BEND-A-PALLET...

- ◆ Just bend the Bend-A-Pallet to match your original verge, then harden and polish!

#P-629... \$3.75 3+... \$3.50 ea.



STEEL VERGE RETAINER...

#P-387... \$1.00 12+... \$.75 ea.



BRASS VERGE SADDLE

#P-327 ... \$1.00 each

12+... \$.75 ea.



BRASS VERGE PIN PLATE...

#P-210 ...

\$1.00 each

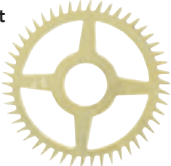
12+... \$.75 ea.



Escapement Parts/Gears ...101

MATCHING VERGE/ ESCAPE WHEEL SETS

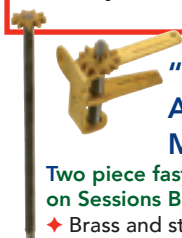
- ◆ Replacement escape wheels supplied with a matching verge
- ◆ Verges are hardened and polished: ready to install



#P-1016.26...	26 tooth esc. wheel
#P-1016.27...	27 tooth esc. wheel
#P-1016.28...	28 tooth esc. wheel
#P-1016.29...	29 tooth esc. wheel
#P-1016.30...	30 tooth esc. wheel
#P-1016.31...	31 tooth esc. wheel
#P-1016.32...	32 tooth esc. wheel
#P-1016.33...	33 tooth esc. wheel
#P-1016.34...	34 tooth esc. wheel
#P-1016.35...	35 tooth esc. wheel
#P-1016.36...	36 tooth esc. wheel
#P-1016.37...	37 tooth esc. wheel
#P-1016.38...	38 tooth esc. wheel
#P-1016.39...	39 tooth esc. wheel
#P-1016.40...	40 tooth esc. wheel
#P-1016.41...	41 tooth esc. wheel
#P-1016.42...	42 tooth esc. wheel
#P-1016.43...	43 tooth esc. wheel
#P-1016.44...	44 tooth esc. wheel
#P-1016.45...	45 tooth esc. wheel
#P-1016.46...	46 tooth esc. wheel
#P-1016.47...	47 tooth esc. wheel
#P-1016.48...	48 tooth esc. wheel
#P-1016.49...	49 tooth esc. wheel
#P-1016.50...	50 tooth esc. wheel
#P-1016.52...	52 tooth esc. wheel

YOUR CHOICE... \$7.50 set

Any 3+...\$7.00 each set



"FAST/SLOW" ASSEMBLY FOR SESSIONS MANTEL CLOCKS

Two piece fast/slow assembly commonly used on Sessions Black Mantels and other shelf clocks

- ◆ Brass and steel construction

#P-2006... \$8.75



JEWEL BAR...

A fully jeweled replacement bar for German swinging arm clocks

- ◆ 3/4" between jewels

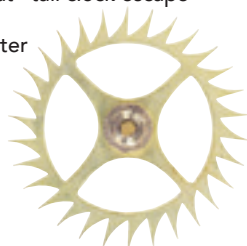
#P-518... \$25.00 each

BRASS TALL CLOCK ESCAPE WHEEL WITH HUB...

- ◆ A 30-tooth escape wheel and hub that is interchangeable with all "seconds beat" tall clock escape wheels
- ◆ 1-3/4" diameter

#P-1316...

\$9.75 each



BRASS ESCAPE WHEEL FOR #2 REGULATORS

- ◆ 1-3/4" diameter
- ◆ 40 teeth

#P-281... \$8.25



BRASS MAIN GEAR

...fits most American and Japanese clock movements

- ◆ 2-27/32" diameter with a 5/16" dia. center hole

#P-1994... \$6.00 ea.

RUBY PALLET JEWELS

for open escapement clocks

Your Choice... \$9.50 each

Any 3+... \$8.75 each

Wire



Order #	Gauge:	Inches:
#P-874.42	-----42-----	.0920"
#P-874.43	-----43-----	.0880"
#P-874.44	-----44-----	.0850"
#P-874.45	-----45-----	.0810"
#P-874.46	-----46-----	.0790"
#P-874.47	-----47-----	.0770"
#P-874.48	-----48-----	.0750"
#P-874.49	-----49-----	.0720"
#P-874.50	-----50-----	.0690"
#P-874.51	-----51-----	.0660"
#P-874.52	-----52-----	.0630"
#P-874.53	-----53-----	.0595"

102... Gears/Strike Parts



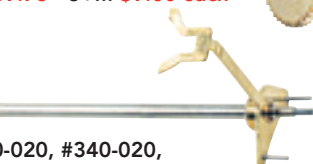
HERMLE® PINION & ESCAPE WHEEL

Fits Hermle® #340, 350 and 1050 series balance wheel movements

#P1578... \$9.75 3+... \$9.00 each

HERMLE® PALLET AND FORK

For Hermle's #350-020, #340-020, and #1050-020 movements



#P-1215... \$12.50 each



HERMLE® 2ND GEARS

FACTORY REPLACEMENTS!

For #1050-020 movements:

#P-1258... Time train

#P-1259... Strike Train

#P-1260... Chime Train

For #340-020 movements:

#P-1261... Time train

#P-1262... Strike Train

#P-1260... Chime Train

Your Choice... \$9.00 each

6+ ...\$8.50 each

12+ ...\$8.00 each

Moon Gears for Hermle Clocks...

For Hermle grandfather clocks: ♦ 15 mm outside diameter

♦ 7.5 mm inside diameter ♦ 20 teeth

#P-1566A...\$4.50 ea. 3+... \$4.25 each

For Hermle grandmother clocks: ♦ 15 mm outside diameter

♦ 4.7 mm inside diameter ♦ 20 teeth #P-1566B...\$4.50 ea. 3+...\$4.25ea.



GEAR BLANKS ...made from clock brass and spoked as illustrated!



#P-1354A ...1/8" x 3-1/4" \$9.00 each

#P-1354B ...1/16" x 2" \$7.00 each

#P-1354C ...1/16" x 1-7/8" \$6.00 each

#P-1354D ...1/16" x 1-3/4" \$5.00 each

#P-1354E ...1/16" x 1-3/8" \$4.00 each

#P-1354F....1/16" x 1-3/8" (spokeless). \$4.00 each



CAST BRASS BELLS...



CAST IRON BELL

♦ A 4" dia. cast bell with good tone

♦ Perfect for tall clocks or other large timepieces

#P-1308... \$10.75 each

TALL CLOCK GATHERING PALLETS...



#P-20L...Left Hand Pallet: used when the pin is located in front of the rack

...\$20.00 each



#P-20R...Right Hand Pallet: used when the pin is located behind the rack

...\$20.00 each

STRIKING HAMMER for AMERICAN CLOCKS...

♦ Brass hammer

♦ Steel arm may be bent to desired position

#P-448... \$2.00 12+...\$1.50 ea.

Strike Parts ...103



STRIKE GOVERNOR ASSORTMENT...

Exact copies of six original "butterflies" for the strike trains of American clocks

- ♦ Solid brass
 - ♦ Shaft/pinion not included
- #P-1033...\$5.75 assortment



FRENCH BELL HAMMER

- ♦ 2-1/2" overall length
 - ♦ Solid brass
- #P-158... \$5.00 each



FRENCH BELL STAND

- ♦ Solid brass with a knurled nut
 - ♦ 2-3/16" overall length
- #P-17... \$4.50 each

...#P-11

AMERICAN MADE!

TALL CLOCK RACK SPRING...

- ♦ 5" long
- #P-11... \$3.50

TALL CLOCK BELL STAND...

- ♦ Steel
 - ♦ 4-7/8" overall length
- #P-25... \$18.50

TALL CLOCK STRIKE HAMMER...

- ♦ Steel
 - ♦ 4-1/4" overall length
- #P-264... \$27.50



TALL CLOCK STRIKE GOVERNOR...

The perfect replacement for damaged or missing governors on English and American tall clock movements

- ♦ Brass with a steel shaft and pinion
 - ♦ 2-37/64" from one end of the shaft pivot to the opposite end
 - ♦ Fan: 1-5/32" wide x 1-39/64" long
- #P-1315... \$11.50



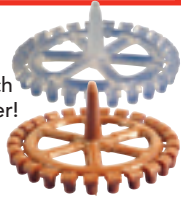
PLASTIC HAMMER TIPS

for Hermle® Movements

- ♦ Each "wheel" has 25 hammer tips, each ready to detach and insert in your hammer!

#P2007A... Clear ...\$8.00

#P2007B... Brown ...\$8.00



KNURLED NUT

- ♦ Solid brass nut for French bell stands
- #P-279... \$1.25 each 12+...\$1.00 each



BRASS STRIKING HAMMERS

#P-129...for Grandfather Clocks

#P-130...for Mantle and Wall clocks

- ♦ Complete with steel set screw
- ♦ Durable nylon strike pads

YOUR CHOICE...

\$2.25 each

12+...\$1.75 ea.



BRASS STRIKE HAMMERS

with leather strike pads!

#P-1936...

for Grandfather Clocks

#P-1937...for Mantel and Wall clocks

Your choice \$2.00

12+... \$1.50 each



TALL CLOCK STRIKING RACK ASSEMBLY...

- ♦ Steel with a brass arm on front
- ♦ 2-1/2" from mounting post to top of teeth
- ♦ Mounting stud included

#P-265... \$22.50



104...Cuckoo Parts

ANTIQUE STYLE TAPERED CUCKOO BELLOWS ...Complete

replacement with resonating tube and a tapered bellows top!

- ♦ Made in the antique style with a back opening
Tube length without top:

#P-1397... Medium (5-1/2" long)... \$34.00 pair

#P-1398... Large (6-1/4" long) ... \$38.00 pair

Also available ...

ANTIQUE-STYLE BELLOWS TOP ONLY: No tube!

- ♦ A replacement top only in the tapered antique style... Ready to glue to your tube!
- ♦ 2-1/4" long x 2" wide

#P-1402 ... \$16.00 pair

RECTANGULAR BELLOWS TOP...

- ♦ Top only with no tube

Your choice...\$6.75 pair

3+... \$6.00 pr. 12+... \$5.50 pair

Order#: Width/Length:

#P-1063 ----- 1-1/8" x 1-7/16"

#P-460 ----- 1-1/8" x 1-3/4"

#P-459 ----- 1-1/4" x 1-3/4"

#P-458 ----- 1-1/4" x 2"

#P-1062 ----- 1-1/4" x 2-3/16"

#P-457 ----- 1-9/16" x 2-3/8"

RECTANGULAR CUCKOO BELLOWS...

Complete replacement bellows with resonating tube and a **rectangular** bellows top!

- ♦ Choice of side or back openings

TUBE Length w/o top:	SIDE OPENING #	BACK OPENING #	YOUR CHOICE:
2-1/2"-----	#P-1060-----	#P-1061-----	\$9.50 pr.
2-3/4"-----	#P-1058-----	#P-1059-----	\$10.25 pr.
3"-----	#P-466-----	#P-465-----	\$10.25 pr.
4"-----	#P-464-----	#P-463-----	\$11.00 pr.
4-5/8"-----	#P-1056-----	#P-1057-----	\$11.00 pr.
5-1/2"-----	#P-1054-----	#P-1055-----	\$20.00 pr.
6"-----	#P-462-----	#P-461-----	\$20.00 pr.
6-1/8"-----	#P-1052-----	#P-1053-----	\$21.00 pr.

PLASTIC CUCKOO BIRD...

- ♦ 3" overall length
- ♦ metal mount w/screw

#P-425... \$2.00

12+... \$1.50 ea.

CUCKOO LIFT WIRE ASSORTMENT

A convenient assortment of lift wires, eyes and staples for cuckoo strike mechanism installation

#P-372... \$17.25

BELLOWS COVERING MATERIAL...

...repair your own bellows with factory replacement fabric.

- ♦ 27" x 7-3/4" piece

#P-1432 ...

\$7.50 each

#P-470... QUAIL BELLOWS with SIDE OPENING...

- ♦ 2-3/16"

\$9.00 ea.

WOOD CUCKOO BIRD...

- ♦ Perfect for old cuckoo restoration
- ♦ 3-1/2" overall length

#P-821... \$3.25 each 3+... \$2.75 ea.

Cuckoo/Strike Parts...105

HIGH QUALITY POLISHED BRASS TUBE

CHIME SET

- ◆ Complete with suspension cords
- ◆ 1-1/16" outside diameters
- ◆ Covers one octave
- ◆ Longest: 59" ◆ Shortest: 39"

#P-937PB... Call for current price

STEEL CHIME RODS AND SETS

- ◆ Each complete with a 1/4" brass screw top

INDIVIDUAL STEEL RODS:

#P-34A...19" long #P-34B... 21" long

YOUR CHOICE... \$6.75 each

TUNED CHIME ROD SET for WESTMINSTER

GRANDFATHER and GRANDMOTHER CLOCKS...

- ◆ 1/4" screw
- ◆ Rods: 20-1/8" to 26"

#P-134... 4 ROD SET ...\$22.50 set

TUNED BRASS ROD SET for WESTMINSTER

MANTEL CLOCKS... ◆ 5 rods ◆ 1/4" screw

- ◆ Longest rod: 7-1/2" #P-353...\$26.50 set

CAST IRON GONG BASES...

#P-471A... 2" diameter

#P-471B... 2-3/4" diameter

Your choice... \$3.75

3+... \$3.25 ea. 12+... \$3.00 ea.

CUCKOO GONG AND BASE...

- ◆ Steel coil gongs with a mounting base

- ◆ Your choice of three popular sizes

#P-1150... 7 cm (2-3/4") diameter

#P-1151... 9 cm (3-1/2") diameter

#P-1152... 11 cm (4-3/8") diameter

Your Choice... \$2.00

3+... \$1.50 each

UPRIGHT GONG AND BASE...

- ◆ 3" diameter gong mounted on a 7" cast iron base/stand
- ◆ Can be shortened if desired

#P-345... \$32.00

ROUND WIRE GONGS...

#P-113... 4" dia. with an inside loop mount

#P-231... 4" dia. with a washer mount

Your choice...\$2.75 each

12+... \$2.25 each

106...Strike Parts/ Case Parts

CHIME ROD ASSEMBLIES WITH CAST IRON BRACKETS...

#P-675... Bottom Mount Assembly for Westminster Chime Mantel Clocks

♦ 5 brass rods ♦ Longest 6-3/4" ...\$19.50

#P-676... Bottom Mount Assembly for Triple Chime Mantel Clocks

♦ 8 brass rods ♦ Longest: 7-1/4" ...\$29.00

#P-1048... Oblique Westminster Chime Assembly for our #P-1021 movements and other short-drop and mantle movements with back mounted hammers ♦ Longest rod: 7"

♦ Shortest rod: 5-1/8" ♦ Brass ...\$16.00

#P-1049... Westminster Chime Assembly for regulators, long-drop movements with side-mount hammers ♦ Longest rod: 11-1/2"

♦ Shortest rod: 8" ♦ Brass ...\$24.00

#P-140... Westminster Chime Assembly for Grandfather and Grand mother clocks ♦ 8 rods ♦ Longest rod: 26-3/4"

...\$35.00

#P-1346... Westminster Chime Assembly for use with side or bottom striking hammers ♦ Longest rod: 6-3/4"

♦ Shortest rod: 4-7/8" ...\$19.00

#P-1275... Triple Chime Assembly for movements with side mount hammers ♦ Longest rod: 13-1/2"

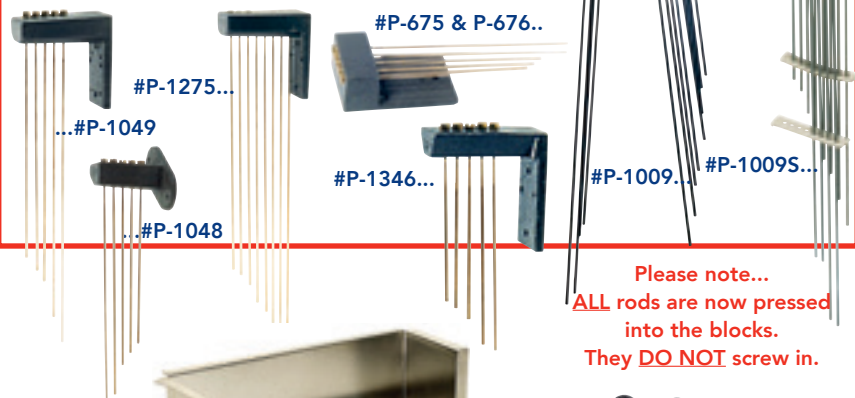
♦ Shortest rod: 9-1/2" ...\$28.50

For Triple Chime Grandfather Clocks:

♦ Longest rod: 26-5/8"

#P-1009... 12 rods in a *slanted* configuration ...\$52.75

#P-1009S... 12 rods in a *straight* configuration ...\$52.75



Please note...
ALL rods are now pressed
into the blocks.
They DO NOT screw in.

TIN COVER for Feichtinger calendar clock

day mechanisms: faithfully copied exclusively for Merritt's
from an antique original by a local master tinsmith!

♦ 90% of the Feichtinger calendar clocks are missing
the tin cover for the day mechanism under the base of the
case. Complete your clock with a high quality, raw tin cover
that is identical to those originally installed by Charles Feichtinger
as part of his unique calendar clock. #P-2107... \$15.00



MOVEMENT
MOUNTING FEET
for Hermle Movements
#P-1753... Set of 4...
\$6.50

CAST FOOT for ANSONIA CLOCKS

- ♦ 1-1/8" diameter aluminum foot with a threaded steel mounting post and nut
- ♦ Ready for paint or another finish to match your clock's patina



#P-2079... \$7.50 pair

LEVELING FEET...A set of four, easy-to-install feet which allow you to easily level clocks and furniture!

- ♦ Plastic padded foot



#P-1369...Set of 4 ...\$3.50

PAD FEET... for mantel clocks and other small items

- ♦ 3/8" plastic pad easily installed: incorporates a nail mount
- ♦ Protects surfaces from scratching



#P-1389A ...3/8" plastic pad
Your Choice...Pack of 12 ...\$3.00

STEEL MANTEL CLOCK BACKPLATES

finished just like the originals!



#P-443 ...

♦ 5-1/4" diameter for Black Mantel Clocks
#P-704 ...

♦ 4-1/2" diameter for China Clocks
#P-1139 ...

- ♦ 3-3/4" diameter for small clocks
Your Choice: \$4.50 each
3+... \$4.25 each
12+... \$4.00 each



BRASS BACKPLATE for ANSONIA MANTEL CLOCKS

SOLID BRASS just like the originals!

- ♦ 4-7/16" diameter

P-1985... \$10.00



BLACK MANTEL CLOCK FEET...

...Copied exactly from antique originals!

- ♦ 2" wide x 3/4" high
- ♦ A set of 4 feet (2 of each illustrated)

- ♦ Unpainted metal: You match the color to your clock's existing hardware

#P-1481... \$13.00 Set

- ♦ 2" wide x 1/2" high
- ♦ A set of 4 feet (2 of each illustrated)



- ♦ Commonly used on Black Mantel clocks and other American shelf clocks
- ♦ Unpainted metal: You match the color to your clock's existing hardware

#P-116... Set of 4 ...\$13.00

STATUE CLOCK FEET

...Exactly like the front feet used on antique Ansonia statue and other shelf clocks



- ♦ Also useful when restoring French, marble and cast iron clocks
- ♦ Cast metal with an antique brass plated finish
- ♦ 2-3/8" wide x 3/4" high

#P-1309... \$18.50 pair

ANNIVERSARY CLOCK

LEVELING FEET... Solid brass replacements for 400-day & Kundo-style clocks

- ♦ 10 mm long with a 4 mm thread dia.
- ♦ #P-2153... Small: 19 mm dia. \$1.75 ea.
- ♦ #P-2154... Large: 25.5mm dia. \$2.00 ea.



BRASS BACKPLATE for ANSONIA MANTEL CLOCKS

SOLID BRASS just like the originals!

- ♦ 4-7/16" diameter

P-1985... \$10.00



MANTEL CLOCK BACKBOARD

- ♦ Wood with a precut 4-3/4" diameter hole. Perfect for Black Mantel clocks!

♦ 14" long x 7- 31/32" high x 1/4" thick #P-1017... \$7.00 each

108... Case Parts



#P-1213...



#P-183...



#P-187...



Authentic Antique-Style Tall Clock Lock/Key Set...

- ♦ All steel construction with a solid brass key
 - ♦ 2-7/16" high x 7/16" wide x 1-3/4" deep
 - ♦ 23/32" back set **#P-1213... \$8.50 Set**

DOOR LOCKS...

Terry-Style Door Lock Set...

- ♦ Also fits other large American shelf clocks
- ♦ All steel construction with a solid brass key
- ♦ 1-5/8" high x 15/16" wide
- #P-183... \$6.25 Set**
- #P-183K.... Extra Key ...\$3.25**

S.T. #2-style Door Lock

- ♦ A solid brass re-creation of this S.T. door latch
- ♦ Opens with your movement winder
- ♦ 2-1/4" long mechanism with catch

#P-187... \$6.75 each



WALL HANGERS...

Brass Hangers:

#P-71... 2-1/8" long x 5/8" wide

#P-70... 1-1/2" long x 1-1/4" wide

Pack of 6 hangers: \$1.50

3+ pks....\$1.25 pk. 12+ pks....\$1.00 pk.

#2 S.T. Regulator-style Steel Hanger:

- ♦ An exact replica of the antique original with an antique finish

#P-354... \$2.00 ea. 6+...\$1.50 ea.



SOLID BRASS KEYHOLE ESCUTCHEON

for tall clocks, wall clocks, furniture and other applications when a quality, vertical escutcheon is required!

- ♦ 2-3/4" long

#P-18... \$9.00 each

WALL LEVELERS...

- ♦ Steel with a brass, knurled knob

#P-359... ♦ 5/8" dia. knob

- ♦ 1-7/8" long

#P-360...

- ♦ 3/4" dia. knob

- ♦ 1- 7/8" long

Your Choice... \$3.50 each

12+... \$3.00 each

CAST BRASS WALL LEVELERS

- ♦ Predrilled, beveled mounting holes

#P-2054...Large:

- ♦ 1-3/4" long cast brass leveler with a 1/2" dia. knurled brass knob
- ♦ 3/4" long threaded steel adjustment post **...\$6.25 each**

#P-2057... Small:

- ♦ 1-11/16" long cast brass leveler with a 3/8" diameter knurled brass knob
- ♦ 1-1/16" long threaded steel adjustment post **...\$5.50 each**



#P-359



#P-360

MOVEMENT STRAPS for FRENCH CLOCKS...

- ♦ 6" brass straps for securing French-type bezels/dials to case backs
- ♦ 1-3/4" long steel tightening screws
- ♦ Sold in pairs only
- #P-753... \$6.25 pr. 3+ pr.\$5.50 pr.**



Case parts ...109

BRASS HINGES...

#P-93... 3/4" high x 5/8" wide when opened
...\$1.50 each 12+...\$1.25 ea.

#P-93...



...#P-95

...#P-435

#P-95... School Clock Hinge: A 2" long, solid brass replica of the antique original
... \$4.50

#P-435... Solid Brass Door Hinge: Designed for tall clock cases: 1-1/4" high x 1-5/8" wide when open
...\$44.50 each

#P-947: Perfect for clock doors, small chests, etc.

♦ 1-1/8" x 1-1/4" Your choice...\$1.00 ea. 6+... \$.75 ea.

...#P-947



3/32" Thick Solid Brass Tall Clock Strap Hinge... Will fit doors up to 3/4" thick. A top quality hinge with a polished finish, made in England

- ♦ Hinge tabs are undrilled so you can match the holes to meet your requirements.
- ♦ Strap length (Predrilled as shown): 3-3/8" long
- ♦ Hinge tabs: 3/4" wide x 1" long

#P-1544... \$30.75 each



#P-325 ...

#P-176...

SOLID BRASS PIVOT HINGES...

- ♦ Predrilled with countersunk holes
- ♦ Sold in pairs: one top and one bottom hinge

#P-325 ...for Grandfather clocks
♦ 1-7/16" long x 7/8" wide
\$3.50 pair 3+...\$3.00 pair

#P-176... for American shelf clocks
♦ 1-1/8" long x 3/4" wide
\$3.50 pair 3+...\$3.00 pair

BRASS DOOR LATCHES...

#P-109...

O.G.-Style latch assembly
\$3.00 each 12+...\$2.50 ea.

(P-109 and P-72 Latches may be mixed or matched for the quantity price)

#P-72...

Latch Assembly

\$3.00 each 12+...\$2.50 ea.

#P-120...

For American clocks
\$1.50 each
12+...\$1.00 each



SOLID BRASS KNOB...

- ♦ 1/2" x 1/2" with a steel screw shank

#P-945C... \$2.50 each
3+... \$2.00 each



SOLID BRASS KEY BLANK for tall case clock locks

#P-1577...

♦ 1-5/8" overall length
\$4.00 each 3+...\$3.75 ea. 12+...\$3.50 ea.



SOLID BRASS DOOR HOOKS...

Sold in packs of 6...
Your Choice \$2.00 pk.
6+ packs... \$1.50 pk.

#P-92A ... 1" long
#P-92B ... 3/4" long

1/2" BRASS SCREW EYE...

#P-362 ...\$2.00 dozen 12+...\$1.50 dz.



Order on-line
24 hours a day...
www.merritts.com

110... Case Parts

STEEL SEATBOARD HOOKS...

#P-13A... Large 3-1/2"
for tall case clocks

◆ Now supplied with a washer and square steel nut for traditional installation and a wing nut for contemporary or optional installations

◆ 9/64" diameter steel
\$4.50 pair

6+ pr. ...\$3.75 each

#P-13B... Smaller 2-1/8"
for shelf clocks, etc.

◆ Supplied with a square steel nut for traditional installation

◆ 7/64" diameter steel
\$4.50 pair

6+ pr. ...\$3.75 each



MOVEMENT MOUNTING SCREWS & PLATES...

◆ Pack of 6 screws and 6 plates to secure movements to seatboards

◆ Plates: 1-5/16" long x 11/16" wide

◆ Screws: 1-9/16" long

#P-1367... \$11.50 pack



MAHOGANY FLAME FINIALS: SET OF 3...

Exact copies of old Pennsylvania tall clock finials turned from solid mahogany!

◆ Ready for light sanding and a finish!

◆ 5-7/8" tall, set of 3 finials

#P-1420A... \$21.00

3+ Sets...\$18.00 each

SOLID MAHOGANY CARVED EAGLE SPLAT & FEET

Eagle Splat

◆ 14-3/4" wide x 4-1/2" high

#P-334... \$22.00 each



HIGH QUALITY SOLID BRASS FINIALS...

AMERICAN MADE!

...#P-50A #P-50B...

Your Choice...

\$23.50 each

3+ ...\$23.00 each

#P-50A ...Terry-style for Pillar and Scroll clocks ◆ 3-5/16" tall

#P-50B ... Seth Thomas-style for Pillar and Scroll clocks ◆ 3-5/16" tall

SOLID BRASS SPIRE FINIAL...

◆ A high quality, 4-1/2" tall solid brass finial with a polished finish

#P-618... \$11.50 each

3+... \$10.75 ea.



AMERICAN-MADE! SOLID BRASS SPIRE FINIALS

#P-1394...Round Ball Spire

◆ 5 -1/4" tall

◆ Antique finish

◆ 2-3/8" dia. sphere

\$29.00 each

3+... \$27.50 each

#P-1393...

Suppressed

Ball Spire

◆ 4" tall

◆ Antique finish

◆ 2" dia. sphere

\$22.50 each

3+... \$21.00 each



Set of 4 Feet...

◆ 2 carved front and 2 turned back feet as shown

◆ 2-1/4" high x 1-5/8" wide

#P-335... \$18.00 set

Case Parts...111

SOLID WOOD CLOCK FINIALS...

Superbly crafted by a local craftsman from antique originals!

- ♦ Ready for the stain and finish of your choice
- ♦ 1/2" dia. mount allows you to trim and match to almost any existing sized hole



...For **TEAR DROP CLOCKS**

- ♦ 4-7/8" long

#P-2125... \$20.50 pair



...**CONTOURED SPIRE**
for **STEEPLE CLOCKS**

- ♦ 3-1/2" tall

#P-552A... \$19.50 pair

...**TAPERED**
STYLE for **EARLY**
STEEPLE CLOCKS

- ♦ 3-1/2" tall

#P-551A...

\$19.50 pair



SHOP REGULATOR TOP & BOTTOM... Crafted from solid oak with a pressed design

Top... ♦ 17-1/2" long x 2-7/8" high x 5-7/8" depth #P-445...\$27.50



Bottom...

♦ 16-1/2" long x 4-3/4" high x 4-7/8" depth

♦ Can also be used as an attractive shelf!

#P-267...\$32.50



MAHOGANY CLOCK MOLDING



Solid mahogany supplied in 24" long lengths

#P-2158...

for American school clock doors:

- ♦ 3/4" overall width ...\$5.50 length

#P-2159... for Seth Thomas "Globe" and "World" doors:

- ♦ 1" overall width ...\$7.25 length

SOLID OAK SCHOOL CLOCK DOOR MOLDING...

- ♦ 24" lengths: 3/4" wide x 9/32" thick

#P-412 ... \$5.50 each

3+... \$5.00 each



OAK KITCHEN CLOCK DOOR MOLDING...

Crafted from solid oak with an original antique pressed design

- ♦ Ready to cut and form a custom replacement door for your oak kitchen clock

- ♦ Supplied in 24" lengths, 3/4" wide x 13/16" thick

- ♦ Milled for glass on the back, just like the originals

#P-1305.6... \$6.25 each length

3+...\$5.50 each



EMBOSSED OAK KITCHEN CLOCK BOTTOM...

A ready to assemble and finish solid oak base to replace damaged or missing bases

- ♦ Designed to accommodate virtually all kitchen clock cases!

- ♦ 14-1/2" wide x 5-1/4" deep at the base when assembled

- ♦ Premittred: requires only nailing and glueing

#P-1615... \$27.50

112...Case Parts



**#P-220...
Half Finial**

- ♦ 2-3/4" tall
- ♦ Unfinished
- ♦ Base: 2-1/4" wide
- ♦ 2-1/2" wide



#P-217...

- ♦ 2" tall
- ♦ Lacquered
- ♦ Base dia.:1"
- ♦ Max. dia.:1"



#P-911...

- ♦ 2-3/8" tall
- ♦ Unfinished
- ♦ Base dia.:1"
- ♦ Max. dia.:1-1/2"



**#P-1734...for
Cuckoo Clocks**

- ♦ 2-7/16" tall
- ♦ Unfinished
- ♦ Base dia.:1-9/16"
- ♦ Max. dia.:1-9/16"



#P-910...

- ♦ 2-1/2" tall
- ♦ Unfinished
- ♦ Base dia.:1-1/8"
- ♦ Max. dia.:1-1/2"



#P-218...

- ♦ 2-1/2" tall
- ♦ Lacquered
- ♦ Base dia.:1"
- ♦ Max. dia.:1-1/4"



#P-909...

- ♦ 2-3/4" tall
- ♦ Unfinished
- ♦ Base dia.:1"
- ♦ Max. dia.:1-1/2"

Maximum
diameter:
measured
at the
widest point
on the finial's
body



#P-219...

- ♦ 3" tall with dowel
- ♦ Base dia.:1"
- ♦ Max. dia.:1-1/4"
- ♦ Unfinished



#P-912...

- ♦ 3" tall
- ♦ Unfinished
- ♦ Base dia.:1-1/2"
- ♦ Max. dia.:2"



#P-908...

- ♦ 3-1/8" tall
- ♦ Unfinished
- ♦ Base dia.:1"
- ♦ Max. dia.:1"



#P-907...

- ♦ 3-1/2" tall
- ♦ Unfinished
- ♦ Base dia.:1"
- ♦ Max. dia.:1-3/4"



#P-906...

- ♦ 3-5/8" tall
- ♦ Unfinished
- ♦ Base dia.:1"
- ♦ Max. dia.:1-1/2"



#P-905...

- ♦ 4-1/2" tall
- ♦ Unfinished
- ♦ Base dia.:1-1/2"
- ♦ Max. dia.:2"

HARDWOOD FINIALS... ♦ Most are unfinished: ready for light sanding and a finish. Those "lacquered" are finished with clear lacquer: no stain
Your Choice...Mix or match: **\$1.75 each** Any 12+...**\$1.50 ea.**

REPLACEMENT BOTTOMS for VIENNA REGULATORS

- ♦ Made from quality solid wood. Ready to sand lightly, stain and finish
- ♦ Complete with bottom finial

#P-2065... ♦ 7-5/8" long x 4-15/16" depth x 2-5/16" high **...\$32.00**

#P-2066... ♦ 9" long x 5" depth x 3-3/4" high **...\$37.00**



REPLACEMENT TOP for VIENNA REGULATORS

Made from quality veneered plywood with solid wood finials, moulding and blocks

- ♦ Unfinished
- ♦ Finials included

#P-2092...

- ♦ 19" wide x 9-1/4" high
- ...\$54.00**



VIENNA REGULATOR TOP MOUNTING BLOCK & TONGUE

♦ An antique-style mounting block with matching tongue for Vienna Regulators ♦ Made locally!

#P-2106... \$5.00



REPLACEMENT TOPS for VIENNA REGULATORS



#P-1877... ♦ 14" wide x 10" tall ...\$30.00



#P-1881... ♦ 12" wide x 5-3/4" tall ...\$30.00



#P-1880... ♦ 12" wide x 9-1/2" tall ...\$30.00

#P-1878...
♦ 14" wide
x 9-7/8" tall
\$40.00



- ♦ Unfinished: ready for light sanding and finish of your choice
- ♦ Made from quality veneered plywood
- ♦ Solid wood finials
- ♦ Solid wood moulding, ornamentation and blocks



#P-2064... ♦ 12" wide x 5-3/16" high ...\$32.00



#P-1879...
♦ 12" wide x
9-1/2" tall
...\$30.00



#P-1876...
♦ 16" wide x
10" tall...
...\$33.00



#P-2062... ♦ 9" wide x 3-1/2" high ...\$30.00

#P-2063... ♦ 11" wide x 4-3/16" high ...\$30.00



#P-2060... ♦ 11" wide x 4-3/16" high ...\$30.00
#P-2061... ♦ 16-1/4" wide x 6" high ...\$37.00

114...Case Parts

HORSE & EAGLE ORNAMENTS FOR GERMAN CLOCK TOPS... Brown with a wood grain appearance



#P-118... Horse ♦ 6-1/2" tall x 5-3/4" wide

#P-119... Eagle ♦ 4-5/8" tall x 9-1/2" wide Your Choice... \$12.00 3+...\$11.00 ea.

#P-1107...



#P-1108...



#P-1109...



#P-1110...

CAST METAL EAGLES with a BRASS PLATED FINISH...

#P-1107... 1-3/4" tall x 2" wide... \$4.75 ea. 3+...\$4.50

#P-1108... 2" tall x 2-1/4" wide... \$4.75 ea. 3+...\$4.50

#P-1109... 2-3/8" tall x 2-3/8" wide... \$5.00 ea. 3+...\$4.75

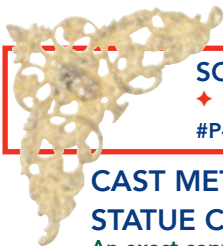
#P-1110... 2-3/4" tall x 2-11/16" wide... \$6.00 ea. 3+...\$5.75

MIRROR-SIDE CUPID FINIAL...

♦ A copy of the cupid finial used on the Ansonia "Mirror-Side" clocks

♦ Cast metal with a natural silver finish ♦ 4-5/8" tall

#P-117... \$9.50 each 3+... \$9.00 each



SOLID BRASS SPANDREL for TALL CLOCKS

♦ 4-7/16" wide x 2-1/2" high

#P-1140... \$6.00 each Set of 4...\$22.00

CAST METAL URN FOR ANSONIA STATUE CLOCKS

An exact copy for the size used on
smaller Ansonia statue clocks

♦ Unfinished so you can easily match it to the
color of your clock's finish ♦ Easy assembly

♦ 3-9/16" wide across the handles x 2-1/2" h. x
2-5/8" diameter (Height does not include the
length of the threaded rod) #P-1564... \$27.00



SOLID BRASS ROSETTE for TALL CLOCKS

♦ 2" diameter

#P-24... \$4.50 each 3+...\$4.00 each



BRASS COLUMN BASES for Tall Clocks

Now with a polished finish!

#P-1141A... ♦ 31 mm wide x 20 mm high x 22 mm inside diameter... \$12.00

#P-1141B... ♦ 31 mm wide x 20 mm high x 19 mm inside diameter... \$11.00

#P-1141C... ♦ 35 mm wide x 20 mm high x 25 mm inside diameter... \$12.00

#P-1141D... ♦ 40 mm wide x 20 mm high x 28 mm inside diameter... \$12.00

Case Parts...115

CAST METAL SIDE ORNAMENT for BLACK MANTEL CLOCKS...

An exact reproduction of an antique side ornament!

- ◆ Unpainted metal: You match the color to your clock's existing hardware
- ◆ 3-1/4" long x 7/8" wide
- #P-1482... \$7.50 pair



CAST METAL SIDE ORNAMENTS for BLACK MANTEL CLOCKS...

An exact reproduction of an antique side ornament!

- ◆ Finished with an antique brass plating
- ◆ 3-1/2" long x 1-3/8" wide
- #P-1362 ...\$14.00 pair



CAST METAL SIDE ORNAMENTS for STATUE CLOCKS...

The most authentic we have ever seen!

- ◆ Unpainted metal: You match the color to your clock's existing hardware
- ◆ 2-15/16" overall length
- ◆ Threaded mounting stud/nut included
- #P-1505... \$13.50 pair
- 3+... \$13.00 ea. pair



CAST METAL ORNAMENTS

LION HEAD...
For shelf clocks by Ansonia and others!

- ◆ Unpainted metal
- ◆ 1-7/16" high x 1-7/16" wide
- #P-260... \$2.25 each 3+...\$2.00



LADY ORNAMENTS...

#P-166... 1-7/8" tall

- ◆ Unpainted metal

#P-167... 2-3/16" tall

- ◆ Painted gold

#P-256... 2-5/8" tall

- ◆ Unpainted metal

Your choice...\$3.50 ea.

3+... \$3.25 ea.



CAST METAL BASE ORNAMENTS

Unpainted metal: You match the color to your clock's existing hardware



#P-165...

- ◆ 5-1/8" wide x 2" long



#P-257...

- ◆ 4-7/8" wide x 1-1/2" long

Your choice...\$4.25 ea. Any 3+... \$3.75 ea.



#P-324...

- ◆ 1/2" opening

#P-323... ◆ 3/4" opening

LION/RING...

Used on Black Mantel Clocks

- ◆ Unpainted metal
- ◆ 2-7/16" high x 2-1/2" wide
- #P-115... \$9.50 pair
- 3+...\$8.75 pair



HALF-COLUMNS for BLACK MANTEL CLOCKS...

- ◆ Reeded metal with a flat black finish

Available in two versatile sizes:

#P-1162... 1/2" wide x 5-1/4" long

#P-1163... 3/4" wide x 6" long

Your Choice... \$5.25 pair

Any 3+ pair... \$4.75 pr.



ORNATE COLUMN HOLDERS...

Perfect for Black Mantel restoration!

- ◆ Cast metal with a gold finish
- ◆ Set consists of one top and one bottom piece

Your choice...\$2.75 set 3+... \$2.50 set

116... Case Parts: Cuckoo



PLASTIC STAG HEAD

ORNAMENTS for Cuckoo Clocks...

♦ With realistic black and brown highlights

♦ Antlers are included

Overall width: Overall height:

#P-1415.....1-5/8" 1-5/8" ...\$18.00

#P-1416.....2" 2"\$21.00

#P-1417.....2-3/8" 2-3/8" ...\$24.50

#P-1418.....3 1/4" 3"\$27.50



HANDCARVED WOOD STAG HEAD ORNAMENTS for Cuckoo Clocks

♦ Brown finished

♦ Antlers are not included

♦ Available in three sizes:

Overall width: Overall height:

#P-574.....2-3/8" ... 2-1/2" ...\$14.50

#P-1085...3-1/8" ... 3-3/8" ...\$24.50

#P-1086...3-1/2" ... 4-3/8" ...\$36.00

REPLACEMENT STAG ANTLERS for Cuckoo Clocks...

♦ Sold only in pairs

♦ Plastic antlers, realistically colored brown with black highlights

#P-553A... 3-1/4" long.....\$4.50 pair

#P-553B... 3-3/4" long\$5.75 pair

#P-553C... 4-1/2" long.....\$6.50 pair



HARDWOOD FINIAL for Cuckoo Clocks

Ready for light sanding and your choice of finish!

♦ 2-7/16" tall

#P-1734... \$1.75 each

12+...\$1.50 ea.

(May be mixed or matched with other finials on page 112 for the quantity price)

Handcarved in the Black Forest by German craftsmen!

♦ Solid wood with a traditional brown finish

♦ Antlers are not included with these frames

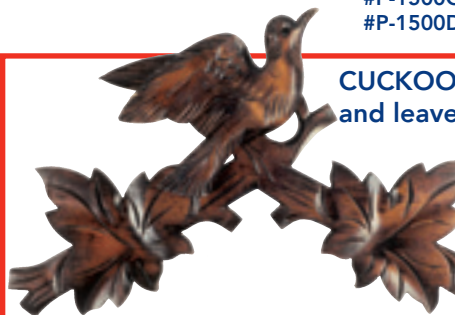
HUNTER MOTIF CUCKOO UPPER FRAME

#P-1500A 8-3/4" wide x 5" high \$ 49.00

#P-1500B 11-1/2" wide x 5-1/2" high... \$ 55.00

#P-1500C 14" wide x 6" high..... \$ 80.00

#P-1500D 17" wide x 10" high..... \$145.00



CUCKOO UPPER FRAME with a bird and leaves...

Handcarved in the Black Forest by German craftsmen!

♦ Solid wood with a traditional brown finish

#P-1498A...♦ 8-3/4" wide

♦ 5-3/4" high ...\$17.50

#P-1498B...♦ 11-1/4" wide

♦ 6-1/2" high ...\$23.50

#P-1498C...♦ 13-3/4" wide

♦ 8" high ...\$41.50



CUCKOO TOP CLIPS...

#P-1821... \$1.00 ea. \$6.00 dozen

Case Parts: Cuckoo/Glass...117

WOOD HORN & MOUTHPIECE for Black Forest Cuckoo clocks

♦ Stained and finished; ready
for mounting on your cuckoo!

Available in two sizes....

#P-1593... 42mm horn/mouthpiece

...\$9.25

#P-1594... 65mm horn/mouthpiece...\$9.25



WOOD CUCKOO DOOR...

This is a great replacement for
damaged or missing cuckoo
doors!

#P-274... 20mm x 29mm

...\$1.25 ea. 3+...\$.75 ea.

12+...\$.50 ea.



ROUND CONVEX GLASS... READY TO INSTALL IN YOUR BEZEL!

PLEASE NOTE... When ordering convex glass to fit a bezel:

♦ For bezels **up to 6" in diameter**: Order glass **1/4" less** than your bezel diameter

♦ For bezels **over 6" in diameter**: Order glass **3/8" less** than your bezel diameter

CX3.000 3"
CX3.125 3-1/8"
CX3.250 3-1/4"
CX3.375 3-3/8"
CX3.500 3-1/2"
CX3.625 3-5/8"
CX3.750 3-3/4"
CX3.875 3-7/8"

Your choice...

3" to 3-7/8"

...\$3.75 ea.

12+...\$3.25 ea.

CX4.000 4"
CX4.125 4-1/8"
CX4.250 4-1/4"
CX4.375 4-3/8"
CX4.500 4-1/2"
CX4.625 4-5/8"
CX4.750 4-3/4"
CX4.875 4-7/8"
CX5.000 5"
CX5.125 5-1/8"
CX5.250 5-1/4"
CX5.375 5-3/8"
CX5.500 5-1/2"
CX5.625 5 5/8"
CX5.750 5-3/4"
CX5.875 5-7/8"

Your choice...

4" to 5-7/8"

...\$4.25 ea.

12+...\$3.75 ea.

CX6.000 6"
CX6.125 6-1/8"
CX6.250 6-1/4"
CX6.375 6-3/8"
CX6.500 6-1/2"
CX6.625 6-5/8"
CX6.750 6-3/4"
CX6.875 6-7/8"
CX7.000 7"
CX7.125 7-1/8"
CX7.250 7-1/4"
CX7.375 7-3/8"
CX7.500 7-1/2"
CX7.625 7-5/8"
CX7.750 7-3/4"
CX7.875 7-7/8"

Your choice...

6" to 7-7/8"

...\$5.00 ea.

12+...\$4.50 ea.

CX8.000 8"
CX8.125 8-1/8"
CX8.250 8-1/4"
CX8.375 8-3/8"
CX8.500 8-1/2"
CX8.750 8-3/4"

Your choice...

8" to 8-3/4"

...\$11.50 ea.

12+...\$10.00 ea.

CX9.000 9"
CX9.500 9-1/2"
CX10.000 10"
CX10.250 10-1/4"
CX10.500 10-1/2"
CX10.750 10-3/4"
CX10.875 10-7/8"
CX11.000 11"
CX11.500 11-1/2"
CX11.750 11-3/4"
CX12.000 12"
CX12.500 12-1/2"
CX12.750 12-3/4"
CX15.3125 15-5/16"
CX18.3125 18-5/16"

Your choice...

9" to 18-5/16"

...\$12.50 ea.

12+...\$11.50 ea.



CONVEX GLASS for Revere and other Telechron clocks!

♦ 5-3/4" high x
4-1/4" wide

#P-1849... \$9.50



Any 3+
Round Flat Glasses...
\$9.75 each

ROUND, FLAT GLASS...

♦ Pre-cut glass for common clock glass sizes

#RF-10 10-1/16" \$10.50 each

#RF-3 10-1/8" to fit 10-7/8" bezels \$10.50 each

#RF-10.25 .. 10-1/4" \$10.50 each

#RF-6 11" \$10.50 each

#RF-7 11-1/2" \$10.50 each

#RF-11 11-3/4" \$10.50 each

#RF-2 11-7/8" to fit 12-5/8" bezels \$10.50 each

#RF-1 12-7/16" to fit 13-1/8" bezels ... \$10.50 each

#RF-8 15-5/8" \$10.50 each

118...Case Parts: Glass



GLASS for SHOP REGULATORS

- ♦ Silkscreened on 14" x 16" glass which can be easily trimmed to fit your clock
- ♦ Unwanted lettering and borders can be easily removed with a razor blade

YOUR CHOICE...\$17.50 ea.

3+...\$15.00 ea. 12+...\$13.50 ea.

#SR-1...TOP GLASS ♦ 12" opening

♦ Black/gold

#SR2



#SR6/7



#SR8



#SR9



#SR10



#SR11



#SR12



#SR13



#SR14



Case Parts: Glass...119

Just like the antique originals!



#NG-1...



#NG-2...



#NG-5...



...#NG-18G



...#NG-18S



...NG-19A/19B

HIGH QUALITY DECORATED CLOCK GLASSES...

Faithfully reproduced in authentic styles and colors and etched just like the

antique originals!

#NG-1... Sunburst (9" x 12")

♦ Red, blue and silver design with black background and gold scroll work ...\$15.50

#NG-2... Floral Design (12" x 14")

♦ Beautiful 5-color design surrounded by gold scroll work on a black background....\$16.75

#NG-5... George Washington (9" x 12")

♦ Portrait within a medallion surrounded by a light green border....\$15.50

#NG-18G... Beehive Glass (8" x 10")

♦ Multicolored with gold silkscreened scroll work: ...\$16.75

#NG-18S... Beehive Glass (8" x 10")

♦ Multicolored with silver silkscreened scroll work ...\$16.75

#NG-19A... Eagle/Shield Flag Etched glass (9" x 12")

♦ For OG and wood works clocks ... \$15.50

#NG-19B... Eagle/Shield Flag Etched glass (7" x 8") ♦ Same as NG-19A, but 7" x 8" size for steeples, beehives, and other American mantel clocks ... \$11.00

HEAVY DUTY GLASS CUTTER...

Allows you to precisely cut plate glass from 1/8" to 1/4" thick

- ♦ The steel scoring wheel is honed for cutting both single and double strength glass
- ♦ Ball handle end aids in the snapping of scored glass
- ♦ American-made! #P-1329... \$4.50



120...Case Parts: Glass



#NG-17...



#NG-20...



#NG-21...



#NG-22...

HIGH QUALITY ETCHED CLOCK GLASSES...

Faithfully reproduced in authentic styles etched just like the antique originals!

#NG-6... Etched glass for OG Clocks: 10" x 12" ...\$18.00

#NG-17... Small etched glass for mantel clocks: 7" x 8" size for steeples, beehives, and other American mantel clocks ...\$12.00

#NG-20... Lyre etched glass: 7" x 8" size for steeples, beehives, and other American mantel clocks ...\$12.00

#NG-21... Cross/Leaf etched glass: 7" x 8" size for steeples, beehives, and other American mantel clocks ...\$12.00

#NG-22... Heart etched glass: 7" x 8" size for steeples, beehives, and other American mantel clocks ...\$12.00



...#NG-6

PENDULUM VIEW GLASSES...

A beautiful gold view design with a black background

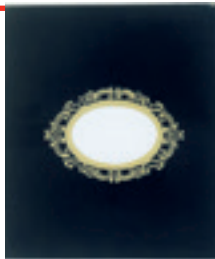
- ♦ Screened/Painted
- ♦ Easily trimmed to fit your door

#PV-1... 7" wide x 8" high

#PV-4... 6" wide x 8" high

Your choice... \$6.00 each

3+...\$5.00 ea.



#PV-1...



#PV-4...

"REGULATOR A" GLASS...

For Ansonia Long Drop Regulators, but it can be used as a standard "Regulator" glass for other clocks by removing the Ansonia trademark

- ♦ Gold lettering on one end; silver on the other. The color not desired may be easily removed with a razor blade.
- ♦ 8" x 14" glass #RA... \$9.50 each 3+...\$8.00 ea.

WOOD GLASS

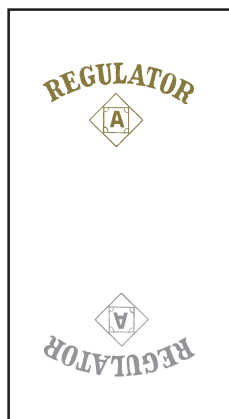
RETAINING STRIPS...



No more searching for wood and then ripping it down to size

- ♦ 12 strips ready to cut to length and nail into place: secures glass quickly, safely, and firmly
- ♦ Each piece is 12" long x 1/4" x 1/8"

#P-1018... \$6.50 dozen pieces

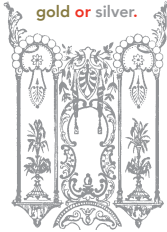


Case Parts: Glass...121

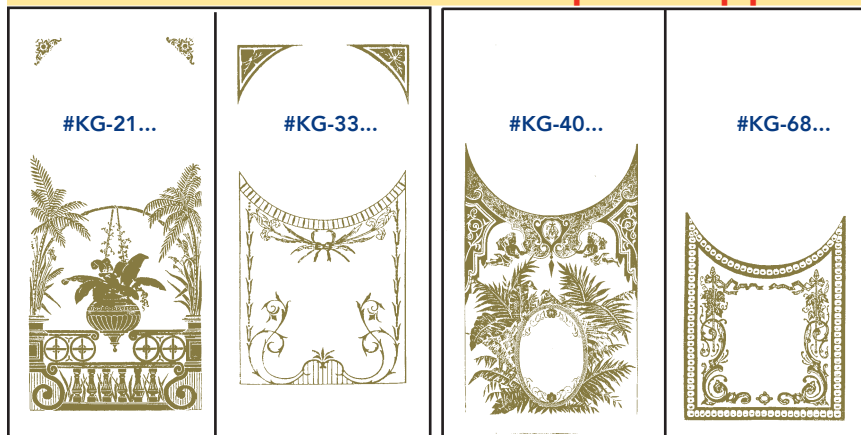
REPLACEMENT GLASSES FOR KITCHEN CLOCKS...

Designs are exact copies of original stenciled motifs, each stenciled in gold on an 8" x 14" glass. Some designs are available in silver.

\$9.50 each 3+...\$8.00 ea. 12+...\$7.00 ea.

 #KG-1... 	 #KG-2... Available in gold or silver. 	 #KG-4... Available in gold or silver. 	 #KG-5... 
 #KG-8... 	 #KG-10... 	 #KG-11... Available in gold or silver. 	 #KG-12... Available in gold or silver. 
 #KG-14... Available in gold or silver. 	 #KG-15... 	 #KG-16... 	 #KG-17... 

122...Case Parts: Glass-Repair Supplies



REPLACEMENT GLASSES for KITCHEN CLOCKS...

Designs are exact copies of original stenciled motifs, each stenciled in gold on an 8" x 14" glass.

Some designs are available in silver.

\$9.50 each 3+...\$8.00 ea. 12+...\$7.00 ea.

#KG-70...



BRASS TENSION WIRE ASSORTMENT

♦ 12 coils, one each
B&S Wire gauge
sizes 18 to 29

#P-1759...

Only \$7.50 assortment



BRASS WIRE... ♦ 6" lengths

♦ 23 pieces of brass wire in assorted sizes
#P-329...\$4.50

STEEL STAFF/PIVOT WIRE...

♦ 37 pieces, assorted sizes
♦ 6" lengths
#P-330... \$6.25

PINION WIRE ASSORTMENT...

AMERICAN MADE by H.A.Z. LABORATORIES

♦ 24 piece assortment in the correct sizes for lantern pinions in American, German, and other movements
♦ 6" lengths
#P-1222... \$13.00

*See page 129 for our
American-made Pinion Cutter/
Staking Tool*

SOLID BRASS WIRE STOCK

♦ 11" lengths ♦ 10-piece assortment
♦ .50 mm to 9.50 mm diameters
#P-1817... \$23.00

PINION ROD ASSORTMENT...

5-Piece assortment in 5"-6" lengths,
various diameters
#P-1353... \$13.50

Repair Supplies/Tools ...123

INSPECTION MIRROR...

- ♦ 1" mirror with a 7-1/2" steel handle for seeing those hard to reach places!

#P-743...\$3.00

LIGHTED RECTANGULAR INSPECTION MIRROR

Telescoping arm with a large 2-1/2" x 1-5/8" mirror extends from 12" to 33" long for hard-to-see and hard-to-reach areas

- ♦ Shatter resistant polished glass mirror
- ♦ Incorporates two (2) extra bright LED lights that require two (2) CF2032 batteries (included)
- ♦ Easily adjusted 360° double ball swivel joint

#P-2130... \$15.50



GERMAN-MADE MAGNETIZER-DEMAGNETIZER

An inexpensive way to magnetize/demagnetize your tools!

- ♦ Magnetize screwdrivers for easy and precise handling in confined spaces
- ♦ Collect metal items from normally inaccessible spaces
- ♦ Magnetized tools free one hand when you are required to position the work piece!
- ♦ Compact size for convenience... 2" wide x 1-15/16" tall x 1-1/8" depth

#P-1591... Only \$10.00



LARGE ELECTRIC DEMAGNETIZER...

Magnetizes and demagnetizes tools and parts in less than 5 seconds!

- ♦ Simply plug the unit into a receptacle and then insert the object to be magnetized or demagnetized into the opening, push the activation button, and retract the object.
- ♦ Large 3" x 1-1/2" opening
- ♦ Overall size: 4-13/16" x 3-1/2" high x 2-1/2" deep

#P-1160... \$85.50



CLIP-ON LED MINI-LIGHT

Clips on for instant, direct light that you can direct to where you need it!

- ♦ Light is attached to a rugged, high impact ABS plastic Alligator clip with a double ball joint: adjusts to any angle!
- ♦ Uses four (4) "LR-41" Alkaline batteries with an expected life of 48 continuous hours (Batteries included)
- ♦ LED bulb has a life of 100,000 hours of continuous use

#P-2131... \$11.50



See pages 149 and 150 for magnifiers and optical aids.

Merritt's

Visit our web site to sign up for updates as new repair supplies and antique clocks arrive in our shop!

www.merritts.com

124... Repair Supplies/Tools

THORNTON GEAR CUTTER SETS...

Made in England from high speed steel!

#P-1526.6... 6-Piece Set includes module sizes .3, .45, .5, .65, .75, and .9 in a dovetailed wooden box
...\$810.00

#P-1526.12... 12-Piece Set includes all of the cutters in the 6 piece set plus module sizes .2, .4, .55, .6, .8, and 1.0 in a dovetailed wooden box ...\$1499.00



SINGLE TOOTH GEAR CUTTERS...

for American, English, German, French, and Austrian Clocks

#P-1351...Set of Eight Cutters: One each described below (except for #P-1350i) ...\$349.00 Set

#P-1350A...for American mantel clock movements (Deep cut-7 module)
...\$49.00 each

#P-1350B... for English and American tall clocks (7.5 module) ...\$49.00 each

#P-1350C...for German mantel clocks (Medium cut-6 module) ...\$49.00 each

#P-1350D... for German mantel clocks (Small cut-5 module) ...\$49.00 each

#P-1350E... for French mantel clocks (Small cut-4 module) ...\$49.00 each

#P-1350F... for Dead Beat Escape Wheels ...\$49.00 each

#P-1350G... for recoil escape wheels (Mantel clocks) ...\$49.00 each

#P-1350H... for recoil escape wheels (Tall case clocks) ...\$49.00 each

#P-1350I... for American mantel clocks (Medium cut-8 module) ...\$49.00 each



MULTI-TOOTH PINION CUTTERS...

to cut pinions for American and European clock movements

#P-1356 ...Set of 5 cutters: One of each cutter as described below
...\$599.00 set

#P-1352A... .55 module for banjo, small mantel and wall clocks (8 tooth)
...\$125.00 each

#P-1352B... .6 module for banjo, small mantel and wall clocks (12 tooth)
...\$125.00 each

#P-1352C... .75 module for large wall and mantel clocks (8 tooth)
...\$125.00 each

#P-1352D... .8 module for Grandfather Clocks (6 tooth)
...\$125.00 each

#P-1352E... .85 module for Grandfather Clocks (10 tooth) ...\$125.00 each



INDEX PLATES...

Steel index plates for the #GH95 and other gear cutting machines

♦ .115" thickness ♦ 4" diameter ♦ 1/2" diameter centerhole

#P-1349... Set of 6 plates: #56, 60, 64, 72, 84, and 96 ...\$140.00

Plates available individually:

#P-1348A	#56	\$27.75	#P-1348B	#60	\$27.75
#P-1348C	#64	\$27.75	#P-1348D	#72	\$27.75
#P-1348E	#84	\$27.75	#P-1348F	#96	\$27.75

Other divisions can be specially ordered:

♦ Up to 96 divisions....\$40.00 each ♦ For over 96 divisions.....\$51.50



REPLACEMENT DRIVE BELT

♦ 3-3/4" inside diameter
seamless flexible belt used on the GH95 Gear Cutter
♦ 19/64" diameter

#P-1355 ...
\$6.00 each



Repair Supplies/Tools ...125



5 SPEED BENCH DRILL PRESS...

A versatile bench size drill press with 5 speeds from 620 RPM to 3100 RPM, an adjustable table which allows for diagonal drilling and an adjustable stroke depth scale

- ♦ Overall dimensions: 17" wide x 23" high x 7" depth
- ♦ Base dimensions: 11-1/8" long x 7" wide
- ♦ Table: 6-5/16" x 6-1/2", tilts 45° left & right
- ♦ Chuck w/ Key: accepts up to 1/2" bits
- ♦ Throat Depth: 4" ♦ Spindle Stroke: 2"
- ♦ Maximum Swing: 8" ♦ Column Diameter: 1.89"
- ♦ Depth Adjustment Gauge ♦ Weight: 37 pounds
- ♦ Speeds: 620/1100/1720/2340/3100 RPM
- ♦ Motor: 1/3 HP, 3.6 amps @ 110V; 60 Hz, 1720 RPM
- ♦ Removable Safety Lock Switch

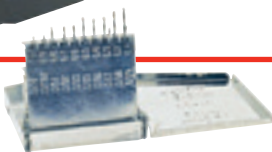
#P-1495 ... Only \$140.00

HIGH QUALITY TWIST

DRILL SET...20 high speed twist drills in an indexed metal case

- ♦ Includes drills #61 to #80

#P-483... \$38.50



ECONOMY TWIST DRILL SETS

20 high speed twist drills in an indexed case.

#P-1771...

- ♦ Includes drills .30 mm to 1.50 mm

...\$7.50

#P-1780...

- ♦ Includes drills #61 to #80 ...\$9.00

SHERLINE® LATHES



Economical, high quality lathes for the craftsman or hobbyist!
These fine lathes come complete with...

- ♦ 1/2 horsepower motor ♦ Electronic speed control ♦ Face plate ♦ Lathe dog
- ♦ 2 Dead Centers ♦ Tool post ♦ 3-jaw Chuck with key ♦ Instruction manual

Specifications...

- ♦ 18" long x 7-1/2" wide x 6" high ♦ 3-1/2" swing over bed ♦ 8" between centers
- ♦ 4-1/2" slide travel ♦ Calibrations in increments of .000"
- ♦ Adjustable spindle: 70 to 2800 R.P.M. ♦ .405" hole through the spindle

#P-1202...Sherline Lathe (inches) complete with above accessories ...\$650.00

#P-1558...Sherline Lathe (metric) complete with above accessories, but with metric calibrations ...\$650.00

126... Repair Supplies/Tools



"T" DRIVER

- ♦ Use in place of the standard 5/32" hex wrench furnished with your lathe
- ♦ Easier to grip...provides more leverage!

#P-1559... \$7.50

LATHE ADAPTING ARBOR

The 8mm collet fits old type jeweler's lathes, allowing you to use the Sherline 3-Jaw chuck (Our #P-1340)

- ♦ American-made from high quality, finished steel
- ♦ Add versatility to your old lathe at a modest price!

#P-1497...\$49.00



MILLING VISE...

The most convenient way to hold small parts for milling!



- ♦ Designed to hold the movable jaw down while clamping
- ♦ Eliminates the chance for the jaw to lift
- ♦ Allows you to accurately align the milling machine to this vise where drill press vices will fail
- ♦ The fixed jaw has both a vertical and horizontal "V" groove to facilitate holding round bar stock
- ♦ Includes two clamps for use attaching this vise to your milling machine

#P-1502... \$79.00

3-JAW CHUCK...

Replacement for the standard chuck supplied with the #P-1202 Sherline lathe

- ♦ 3/32" to 2-1/4" grip range
- ♦ Jaws move together for automatic centering

#P-1340... \$110.00

4-JAW CHUCK...

- ♦ 4 independently adjustable fingers
- ♦ Great for irregularly shaped parts
- ♦ 3/32" to-2 1/4" grip range

#P-1206... \$110.00

FIXED STEADY REST

- ♦ Use to support long, slender pieces which have a tendency to deflect away from your tool during turning
- ♦ 3 adjustable blades

#P-1203... \$41.00



VERTICAL MILLING COLUMN...

with zero adjustable handwheel:

Converts your Sherline® lathe to a Mill in less than a minute!

- ♦ An economical and space-saving alternative to a separate milling machine
- ♦ All standard vertical milling operations can be accomplished with this attachment
- ♦ Most Sherline milling accessories may be used with this attachment
- ♦ Complete with mounting instructions and helpful hints

#P-1501... \$150.00



Repair Supplies/Tools...127



MILL COLLET SET...

Designed to use with the Morse #1 internal taper that is standard with the Sherline lathe and vertical mill

- ♦ Allows you to apply greater clamping power compared to the clamping power of WW collets. A must for milling operations!

#P-1504 ... \$45.00

WW COLLET SET...

- ♦ An extensive selection of 5 WW collets, a collet taper adapter and a draw bar
- ♦ Sizes: 1/16", 1/8", 3/16", 1/4", and 5/16"

#P-1211... \$90.00



HOLD-DOWN SET...

- ♦ Set of 2 adjustable strap clamps with nuts, washers, and socket head cap screws
- ♦ The most versatile way to safely clamp work of all configurations to your milling machine

#P-1503... \$28.00



CARBIDE TOOL SET

- ♦ For cutting hard or abrasive materials
- ♦ Set of 3 carbide tipped cutters

#P-1210... \$22.50



HIGH SPEED TOOL SET

- ♦ For cutting steel, wood, plastic, and aluminum
- ♦ Set of 3 cutting tools

#P-1204... \$29.50



CENTER DRILL SET

- ♦ Used for drilling stock before mounting on your lathe centers
- ♦ Set of 3 double end bits

#P-1212... \$19.50



LIVE CENTER...

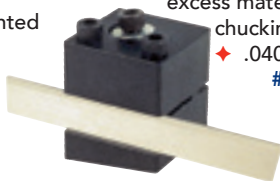
- ♦ Use in place of a dead center to reduce friction
- ♦ Ball bearing mounted center point

#P-1205... \$40.00

CUT-OFF TOOL and HOLDER...

- ♦ Used to separate a part from the excess material used for chucking

.040 cut-off blade
#P-1209... \$50.00



SHERLINE DRIVE BELT...

#P-1208...
\$10.00



VINYL DUST COVER...(not illustrated)

- ♦ Extend the life of your lathe: keep harmful dust and dirt off of your lathe when it is not in use
- ♦ Made from prefitted, 6 mil vinyl

#P-1207... \$10.00

1/4" ROCKER TOOL POST

Change the height of your cutting edge by simply adjusting the two clamp screws!

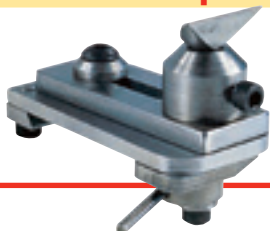
- ♦ Easily position your older, resharpened cutting tools where you want them without shimming!

An inexpensive tool to reduce setup time and extend the life of your old tools!

#P1843... \$30.00



128... Repair Supplies/Tools



SHERLINE W.R. Smith T-Rest...

Clamps to your lathe's bed in seconds!

- ♦ Used by clock and watch makers to hold gravers. A design specifically for Sherline lathes from renowned watch and clock maker, William R. Smith.
- ♦ Solid steel #P-1562... \$199.00

ELECTRONIC FOOT/BENCH SPEED CONTROL...

A solid state foot-operated speed control for both lathes and Flex-Shaft units

- ♦ Works well with the Sherline Lathe
- ♦ Use as a foot control or flip-up lever for manual bench control
- ♦ Can be set for maximum speed #P-1929...\$99.50



LATHE BELTING FOR JEWELER'S LATHES...

Durable plastic belting in two convenient sizes

- ♦ Simply cut to size, heat and fuse the ends together for an unbreakable union ♦ Sold in 36" lengths
- ♦ This is the best lathe belting on the market!
- #P-1545... 1/8" dia. (3 mm) #P-1546... 3/16" dia. (5 mm)
- Your Choice... \$4.00 length 3+... \$3.75 length



PLATE SPREADER...

Improved Design: Easier to use than previous designs!... allows you to gradually spread and clamp plates open in a safe, controlled manner and check gear straightness

- ♦ You can complete repairs and partial disassembly more efficiently, save time and avoid aggravation
- ♦ The support legs and grooved tool tips allow you to mount and spin a gear on its pivots to check for straightness... a quick and easy way to evaluate the straightness of a gear!
- ♦ New thumb screw and slide design allows you to maintain smooth, even pressure when spreading plates
- ♦ Plastic thumb screws are included to prevent the scratching of your plates by metal retaining screws

#P-1407...

\$24.50 each



PRO-CRAFT FLEX SHAFT SET...

A premium quality, precision unit at an affordable price! Perfect for drilling, polishing, burring, milling, slotting, sawing, buffing & grinding

- ♦ 1/10 H.P. A.C. Motor: 0 to 18,000 RPM's
- ♦ 39" flexible shaft with interchangeable handpiece
- ♦ Variable speed foot control
- ♦ Bracket for easy hanging
- ♦ 13 pc. accessory set: brushes, buffs and stones with arbors

#P-972... COMPLETE FLEX SHAFT SET...\$149.50



Repair Supplies/Tools...129

LANTERN PIN CUTTER AND STAKING TOOL...

A top quality, American-made unit which incorporates two tools in one!



♦ All sliding parts, punches, and dies are made of fully hardened steel for maximum durability

- ♦ The pinion cutter is fully adjustable for lengths from .200" to .625"
- ♦ The cutter locks for repetitive cutting, giving you perfect alignment every time...accuracy of length and smoothness of cut are guaranteed!
- ♦ The staking tool incorporates 13 holes from 1/8" to 1/2" in 1/32" increments
- ♦ 5 die holes from .020" to .062" ♦ Pinion wire and instructions are included

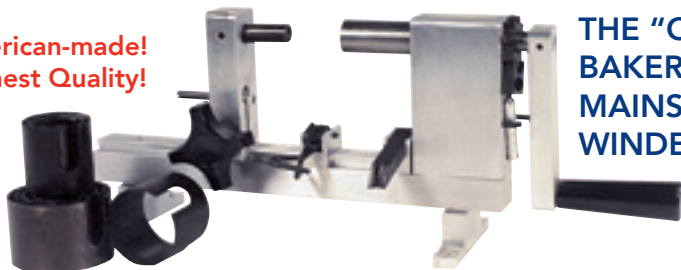
#P-1223... \$335.00

24 PC. PINION WIRE ASSORTMENT...



Includes the correct sizes for lantern pinions in American, German, and other movements ♦ 6" lengths #P-1222... \$13.00 Assortment

American-made!
Highest Quality!



THE "OLLIE BAKER" MAINSPRING WINDER

...for hole or loop end mainsprings! This tool's unique tailstock feature safely stabilizes and secures your mainspring so it will not slip off.

- ♦ Complete with nine mainspring sleeves
- ♦ Our #P-110 Mainspring Let-Down Set, or a comparable tool, is required to operate the "Ollie Baker" Winder.

#P-1368... \$209.00

#P-1368A... Set of nine mainspring sleeves...\$38.00

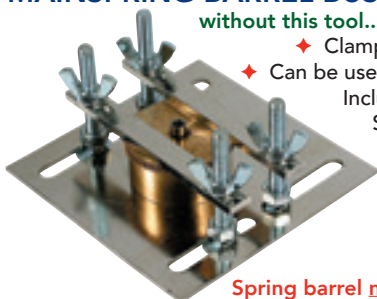


LOOP-END MAINSPRING WINDER...

- ♦ A simple, yet effective, tool for winding loop-end mainsprings with a clock or bench key
(See page 144 for our bench key set)

♦ Winds the spring on your clock's wheel and arbor #P-404... \$10.00

MAINSPRING BARREL BUSHING AID... You'll wonder how you did without this tool.... makes bushing mainspring barrels a breeze!



- ♦ Clamp your barrel in place for safe, accurate work
- ♦ Can be used to safely close snap-back mainspring barrels Includes a heavy 1/8" thick plate and two clamps. Simply fasten the plate to your bushing tool with conventional clamps and you are ready to go!
- ♦ Tool clamps have a range of 5/16" to 3-1/4"

#P-1933... \$21.50

Spring barrel not included with tool!

130... Repair Supplies/Tools

KEYSTONE MAINSPRING

WINDER... A simple, yet highly versatile mainspring winder for loop end or hole end springs

♦ Simple...

A square chuck grips the winding arbor square, and you tighten it by hand:

No wrenches...

No set screws...

No damage to your arbor!

With the positive sliding lock, your handle is free to rotate in either direction all of the time... just slide the lock to secure the handle... No ratchet to reverse or wear out!

♦ **Versatile...** The removable vise bar allows you to mount your Keystone winder in a vise, on your bench or on your wall. Set it up for right or left hand operation; choose vertical, horizontal, portable or permanent positioning. Hex wrench and mounting screws are provided! Use on loop or hole end springs of all sizes- it even winds loop end springs in the movement when the click or ratchet is not functioning. You can even clamp springs for disassembly!

♦ **Safe...** Accessories include a clamp to hold barrels when removing or inserting mainsprings. The gripping surfaces hold firmly without damage to the movement's brass. The Keystone Winder is designed to work safely and eliminate injury to your hands. The clamp adjusts easily to all barrel sizes and anchors firmly to the tool.

♦ **Fast...** Winds, unwinds, inserts, removes smoothly and easily. All adjustments are done quickly by hand:

NO HOOKS, RATCHETS, WRENCHES OR SCREWDRIVER NECESSARY!

Complete with...

- ♦ Tool with barrel clamp
 - ♦ Nest of 11 spring retainers sizes 1" to 2-3/4"
 - ♦ Anchor pins for loop and hole end springs
 - ♦ Hex wrench
 - ♦ Set of 5 Universal Arbors
 - ♦ 4 mounting screws
 - ♦ Instructions
- #P-1819... Complete Winder and Accessories ...\$365.00**



BARREL CLAMP for the Keystone

Mainspring Winder Safely anchors mainspring barrels of all sizes when removing or inserting mainsprings

♦ Resilient gripping surfaces hold barrels firmly without distortion or damage to brass barrels

♦ Mounts to your Keystone Mainspring Winder and safely secures your barrel... no need to use a glove or your hand to secure barrels during tool use! **#P1819C... \$70.00**



KEYSTONE WINDING ARBOR SUPPORT

Mounts to the bottom of your Keystone Mainspring Winder... acts like a "Tailstock" for the winder

♦ Mounts easily... includes the cap head screws to secure the base to the tool and to reattach the vice bar

- ♦ Detailed directions included
- ♦ Allows you to support your barrel or arbor for added security

#P-1820... \$80.00



Repair Supplies/Tools...131

"THIRD HAND" HOLDER...

With a heavy, non-tipping base: ideal for soldering, gluing, or freeing a hand

- ♦ 6" overall width... large enough to be a practical tool, yet it takes up very little space on your bench
- ♦ Ball joint connections allow you to position work at any angle

#P-1396 ...\$18.75



VERGE PALLET ADJUSTING TOOL...

An American-made tool for the precise opening and closing of pallets

- ♦ Easily adjust pallets for a perfect verge/escape wheel match!

#P-1616... Only \$55.50



BULLS EYE LEVEL...

Level clocks quickly with this compact, economical level! It's small enough to carry in your pocket: 1-3/8" diameter x 9/16" thick

- ♦ Durable plastic construction with a clearly marked bulls eye

#P-2128... \$5.75



TALL ASSEMBLY POST SET... Set of 4 posts, each 3-3/4" long: This is the correct size post to use with grandfather movements, or other movements with the strike hammer in the back

- ♦ Steel with a knurled brass plate clamp

#P-1597... Set of 4... \$26.50 Set

COMPACT BUBBLE LEVEL...

- ♦ Just 1-1/2" long... It fits right into your pocket!

- ♦ American-made
- ♦ Perfect for leveling clocks!

#P-1343... Imprinted with "Merritt's"

#P-1343B... Plain white, with no imprint

\$1.25 ea. 12+... \$1.00 each



MOVEMENT ASSEMBLY CLAMP SET...

- ♦ An easily attached clamp set which you attach to your movement plates to position them for repairs or regulating. Assemble in the horizontal position for assembly and repairs, or vertically for test running.
- ♦ Complete with a special stud to securely attach your assembly clamp set to the wall in the hanging position.

#P-241... \$19.00 Set



AMERICAN-MADE WOODEN OILER/TOOL HOLDER...

An economical wooden holder for oilers and other tools

- ♦ This solid wood holder is designed to hold three oilers, or similar tools up to 9/16" dia. and a grease bottle up to 1-1/2" dia.
- ♦ Compact size: 5-15/16" long x 2-3/16" wide x 1-11/16" high
- ♦ Solid wood holder only: oilers/grease are available, but are not included

#P-2143... \$5.50



MAGNETIC TOOL HOLDERS

- ♦ Mounting screws included

#P-2009A... 18" Magnetic Tool Holder ...\$17.00

#P-2009B... 12" Magnetic Tool Holder ...\$15.00



132... Repair Supplies/Tools

DRILLING CLAMP... Safely and easily secure small parts when drilling! This tool allows you to safely secure, then drill hands, hand washers and other small parts that are normally nearly impossible to steady

- ♦ Work is kept from whipping if the drill bit catches. At the same time you can see exactly where the drill bit enters the work.
- ♦ Work injuries are eliminated and parts are no longer damaged
- ♦ Made with a durable 4"x4" aluminum base with a composite wood surface for scratch protection



#P-1254... \$49.00

DRILLING/FILING CLAMP... An economical clamp which allows you to safely secure, then drill or file hands, hand washers and other small parts

- ♦ Work is kept from whipping if the drill bit catches. At the same time you can see exactly where the drill bit enters the work.
- ♦ Made from 1/2" thick aluminum, 4" long x 4" wide
- ♦ Multiple slots and circular opening to allow for stable drill penetration
- ♦ Multiple threaded holes for a variety of clamping positions



#P-2078... \$21.50

MADE LOCALLY! CLOCK HANDWASHER CRIMPING TOOL...

Designed to improve the convex shape of brass clock washers: eliminates the need to use multiple washers!

- ♦ Place the brass washer on the die and tap lightly with the punch to produce a better shaped brass washer
- ♦ Complete with wooden base block as shown

#P-2112... \$8.25



4 PC. PIN VISE SET

4 steel pin vises in graduated sizes:

- ♦ .000 to .040" (.0 to .8 mm)
- ♦ .030 to .062" (.8 to 1.3 mm)
- ♦ .050 to .125" (1.3 to 3.1 mm)
- ♦ .115 to .187" (3.1 to 4.8mm)

#P-2068... \$6.50 set



DOUBLE-END PIN VISE...

Reversible steel collets on each end with hexagonal neads prevent rolling on your bench

- ♦ 4-1/8" overall length
- ♦ 1/8" (0" to .125") capacity

#P-422... \$3.00 each

HAND VISE...

Lightweight, with a wooden handle

- ♦ Smooth jaws: 1-1/4" wide with a 1" opening
- ♦ 6-1/4" overall length

#P-442... \$10.50



BENCH VISE...

- ♦ Mounts to your bench with screws or a thumb screw
- ♦ Double steel guide bars
- ♦ 1-1/4" jaw width
- ♦ 1-11/16" jaw opening

#P-607... \$11.50



HEX NUT

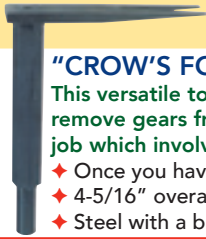
WRENCH for tightening hex nuts when mounting or removing quartz movements

- ♦ An inexpensive aluminum wrench to aid in your work with the thin hex nuts that are used to secure quartz movements
- ♦ Aluminum: 3-3/8" long with openings for frequently used 1/2" and 13/32" hex nuts

#P-2189... \$4.25



Repair Supplies/Tools...133



"CROW'S FOOT" TOOL... Mounts in your vise or bench block:
This versatile tool literally has hundreds of uses. Use it to stake pinions, easily remove gears from shafts: virtually any job which involves a friction fit wheel or gear.

- ♦ Once you have one you'll wonder how you ever did without it!
- ♦ 4-5/16" overall height x 3-1/2" overall length x 3/16" thick
- ♦ Steel with a black oxide finish **#P-1472 ... \$9.00**

NUT STARTER

For starting (or removing) threaded nuts in hard-to-reach places

- ♦ Easy-to-use spring steel chuck holds nut sizes from 3/32" (2.5 mm) to 5/16" (8 mm)
- ♦ Overall tool length: 5"
- ♦ Can also be used when nuts are too small to be grasped by hand

#P-2129... \$8.25



MINUTE HAND NUT DRIVER

Makes the installation of minute hand nuts on "I" shaft movements quick and easy!



- ♦ Easy to use...
 - While the nut is on your work surface, just push the knob on the back of the Nut Driver and the "jaws" open
 - Grab the nut and turn it on the shaft until securely positioned on the hand shaft

- ♦ Steel and aluminum construction
- ♦ 3-1/8" long **#P-2137... \$20.25**

PIVOT CENTERING HOOK

Complete with wooden handle!

- ♦ 8-1/4" overall length **#P-1755... \$5.00 each**



5-PC. STAINLESS STEEL POSITIONING/SPRING HOOK SET

A useful assortment of probes and attachments for separating/positioning/inserting/adjusting wires and springs

- ♦ Heavy duty twist lock chuck with a Versa-Grip® handle holds each 5" long attachment securely in place
- ♦ Includes the following attachments: offset pull hook, 135° pull hook, push/pull hook, adjusting push/pull hook, placement guide/lifter
- ♦ Packaged in a fitted storage "holster"

#P-2133... \$14.50



12-PC. STAINLESS STEEL PROBE/POSITIONING/SPRING HOOK SET

A useful assortment of probes and attachments for separating/positioning/inserting/adjusting wires and springs, probing and cleaning

- ♦ Heavy duty twist lock chuck with a Versa-Grip® handle holds each 5" long attachment securely in place
- ♦ Includes the following attachments: 5" extension, straight, 90°, 35° bend, 180° double bend loop, 180° probe hook, offset pull hook, 135° pull hook, push/pull hook, adjusting push/pull hook, placement guide/lifter

- ♦ Packaged in a fitted, zippered case

#P-2132... \$25.00



134... Repair Supplies/Tools

HOROLOVAR BEAT SETTING TOOL Takes the work out of setting the beat on 400-day clocks!

- ♦ Extra-long arm allows you to make micro adjustments **#P-500... \$21.00**

PIVOT POSITIONING TOOL

- ♦ Use this tool to push or pull pivots into their proper place without damage
- ♦ The 8" long, knurled handle allows you to penetrate both large and small movements
- ♦ Made from steel **#P-1519... \$4.50 each...**

WIRE BENDING TOOLS... A set of 3 versatile tools to aid in wire adjustments and movement reassembly

- ♦ Great for bending wires when adjustments are necessary
- ♦ Allows you to reach within the movement and position pivots with ease

#P-1014... \$9.50

DOUBLE ENDED WIRE

BENDING TOOL... for use with our P110 Handle

- ♦ Reversible, with ends for medium and larger thickness wires
- ♦ Easily inserts into our sturdy P110 handle for a wire bending tool with a reach of over 3-1/2"
- ♦ Made from steel, 7-7/8" overall length **#P-2166... \$7.75**

STAKING BLOCK for ESCAPE WHEEL BRIDGES...

The perfect block for under escape wheel bridges in American Wall and Shelf Clocks

- ♦ Graduated sizes to fit all movements
- ♦ Solid brass
- ♦ 3-7/8" overall length

#P-1320... \$9.75

SOLID BRASS STAKING BLOCK...

#P-1543A... ♦ Seven graduated holes (3.5 to 10 mm)

- ♦ 3-15/16" long x 1-1/2" wide x 3/4" thick

...\$28.50

STEEL STAKING/RIVETING BLOCK... with 15 graduated

holes and 5 milled slots ♦ Durable steel

- ♦ 1-3/4" overall width x 3/4" high **#P-604... \$11.75**

16 PIECE SET OF ANVILS AND STAKES for CLOCKMAKERS

- ♦ 16 assorted punches: 4 flat-faced hollow, 10 round-faced hollow and 2 assorted hole closing sizes
- ♦ Large hardened steel anvil with 10 holes of graduated sizes
- ♦ Complete with convenient wooden set holder
- ♦ These sets are shipped in protective, rust inhibiting grease. They will require a bit of attention with a cloth before using!

#P-1761... \$50.00

WOOD PLIERS RACK with Drawer

- ♦ 7 slots for pliers storage
- ♦ 7/8" deep small tool storage tray
- ♦ 6-7/16" wide x 7-7/16" long x 3-11/16" high with a 13/16" deep lower drawer **#P-2069... \$14.75**

Repair Supplies/Tools...135

CLOCK REPAIR TOOL KIT...

Compiled with clock repair in mind! An economical kit including the essential tools for the collector or hobbyist

Each set includes:

- ◆ 4-3/4" side cutting pliers
- ◆ Flat nose pliers
- ◆ 5-1/4" screwdriver
- ◆ 2-jaw pin vise ◆ AA tweezer
- ◆ 3 nickel-plated jeweler's screwdrivers
- ◆ 36-hole staking block ◆ All in a plastic case #P-576...\$11.50



SET OF 5 HOBBY PLIERS...Each plier is 4-1/2"

long with a cushion grip handle and smooth jaws

- ◆ End Cutter ◆ Round Nose ◆ Side Cutter
- ◆ Flat Nose ◆ Chain Nose
- ◆ Plastic carrying case #P-526... \$14.50



PARALLEL ACTION CUTTER AND PLIERS...

Jaws open and close parallel along the entire length, providing a viselike action. Great for removing troublesome nuts without destroying the nut!

- ◆ Nickel plated handles and jaws

#P-1772... Light flatnose pliers with serrated jaws

- ◆ 5" overall length ...\$24.50

#P-1773... Light flatnose pliers with smooth jaws

- ◆ 5" overall length ...\$27.50

#P-1774... Diagonal cutters ◆ Spring action handle

- ◆ 5-1/2" overall length with a maximum jaw opening of 1/4"
- ◆ Cuts soft wire, half hard wire, 3/4 hard wire and piano wire ...\$35.00



AUTOMATIC CENTERING PUNCH... Just press down on the body to release the striking mechanism ◆ Adjustable for heavy/light strokes ◆ Pocket clip included

#P-622... \$14.50

SCRIBER... with a carbide tip

- ◆ 5" long with a knurled aluminum body
- ◆ Pocket clip and reversible tip so the scriber can be safely carried #P-1931... \$8.75



CLAMPS... A must for hard to reach places and handling small parts!

- ◆ Can be utilized as a clamp, heat sink, or "third hand"
- ◆ Serrated locking jaws
- ◆ 6" overall length

#P-657... Curved Jaws #P-658... Straight Jaws

Your choice... \$3.00 each Any 2 for \$5.50



CLOCK HOLE CLOSING PUNCH SET...

- ◆ 7 graduated sizes in a plastic container
- #P-142...\$38.75

136...Repair Supplies/Tools

FULL SIZE GERMAN-MADE PROFESSIONAL PLIERS...

- ♦ Box joints for smooth operation ♦ Leaf springs ♦ Plastic cushion grips for comfort
- ♦ Each approx. 5-1/4" long



#P1154... FLAT NOSE

- ♦ 1-3/8" long jaw
- ...\$24.50

#P-1155... ROUND NOSE

- ♦ 1-1/16" long jaws
- ...\$24.50

#P-1156... CHAIN NOSE

- ♦ 1-1/4" long jaws
- ...\$24.50



#P-1157... CURVED CHAIN

- NOSE ♦ 1" long jaws
- ...\$24.75

#P-1158... END CUTTER

- ♦ 29/32" long jaws
- ...\$32.00

#P-1159... SIDE CUTTER

- ♦ 3/4" long jaws
- ...\$33.00

Ergonomically redesigned... American-made

"QUICK-WEDGE" SCREW HOLDING SCREWDRIVERS...

Just slide the metal tube forward over the 2 spring steel blades to wedge the screw on the tip!

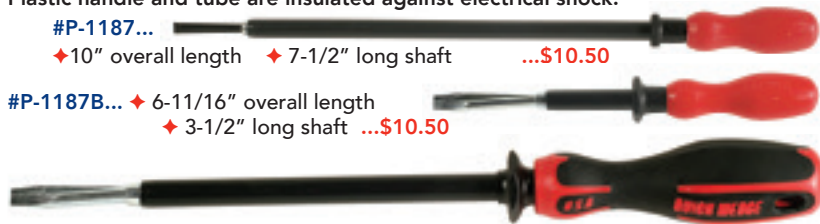
- ♦ Redesigned with ergonomically contoured grips for maximum grasp and torque!
- ♦ Plastic handle and tube are insulated against electrical shock.

#P-1187...

- ♦ 10" overall length ♦ 7-1/2" long shaft ...\$10.50

#P-1187B... ♦ 6-11/16" overall length

- ♦ 3-1/2" long shaft ...\$10.50



New! #P-1187C... LARGE QUICK WEDGE...

- ♦ 12-5/8" overall length ♦ 7-1/2" long shaft ...\$14.50

SLOTTED SCREW HOLDING DRIVER

with a 1/8" slotted blade: perfect for adjusting Hermle® balance units

- ♦ Exact fit precision machined tip with a black oxide finish
- ♦ Spring loaded sleeve: clamps screw heads securely
- ♦ Hardened tool steel blade
- ♦ 8" overall length with a 3" reach
- ♦ Molded "soft grip" handle and shielded shaft

#P-2142 ...\$25.00





#P-1799... Set of 8
Inch Nut Drivers:
 ♦ 3/32, 7/64, 1/8, 9/64,
 5/32, 3/16, 7/32, 1/4"
 ...\$45.00 set



#P-1798... Set of 7
Slotted and Phillips
Screwdrivers:
 ♦ Phillips: #00, #0, #1
 ♦ Slotted: 1.5, 2.0, 2.5, &
 3.0 MM ...\$27.50 Set



#P-1800... Set of 7
Metric Nut Drivers:
 ♦ 1.5, 1.8, 2.0, 2.5, 3.0, 3.5,
 & 4.0 MM ...\$40.00 set



GERMAN-MADE TOOL SETS

*Professional quality tools
 with hardened CVM steel
 blades, molded
 ergonomic handles and
 precision fit tips!*

PRECISION GERMAN HEX SETS....



#P-1847... 7 pc. Metric Set ♦ .7, .89, 1.3, 1.5, 2.0, 2.5,
 and 3.0 ...\$30.50 set

#P-1848... 8 pc. Inch Set ♦ .028", .035", .050",
 1/16", 5/64", 3/32", 7/64", 1/8" ...\$33.50 set

#P-1797... Set of 6
Slotted Metric Screwdrivers:
 ♦ 1.5, 2.0, 2.5, 3.0, 3.5, and
 4.0 MM ...\$26.50 set

NUT DRIVER SET...

**Great for movement
 disassembly: will not slip
 and mar your plates!**

- ♦ Includes ten high quality
 nut drivers in sizes from
 3/32" to 3/8"
- ♦ Each has a durable color-
 coded plastic grip
- ♦ Torque handle measures
 3-1/8" x 1"

#P-1395... \$65.75 set



138...Tools

DELUXE FIXED BLADE SCREWDRIVER SET...

6 screwdrivers with hex heads, nicked handles, and tempered blades: made in France

- ◆ Includes sizes from .80mm to 2.00mm in a protective plastic pouch #P-1234... \$15.00 set



HIGH QUALITY BERGEON® JEWELERS SCREWDRIVER SETS...

Sets of superbly crafted screwdrivers from Switzerland

- ◆ Tempered steel blades ◆ Extra blades included

#P-480A... 10 pc. Boxed Set

- ◆ Sizes range from .50mm to 3.0mm
- ◆ With 30+ spare blades
- ◆ Durable wood case

...\$169.00

#P-290... 9 pc. Set on Stand

- ◆ Sizes range from .50mm to 2.5mm
- ◆ With 9 spare blades
- ◆ Revolving stand

...\$99.75

Our best quality!



Our best quality!



BERGEON® BLADE FIXING SCREWS

for Bergeon® jeweler's screwdrivers

- ◆ One (1) of each size screw for .50 dia. , .60 to 1.60 dia. and 1.80 to 3.00 dia. screwdrivers

#P-2124... \$2.00 set



JEWELER'S SCREWDRIVER SHARPENER...

Holds your jeweler's screwdrivers at the proper angle for sharpening!

- ◆ An all metal holder for screw drivers with shafts up to 5.5 mm.
- ◆ Spring loaded to hold your screwdriver securely for precision sharpening
- ◆ 1-3/4" overall length

#P-1619... \$4.50



VALUE PRICED JEWELERS SCREWDRIVER SET

Set of six screwdrivers in a hardwood case

- ◆ Sizes range from 1.0mm to 2.4mm

#P-472... \$8.25 set



VALUE PRICED SWISS-STYLE SCREWDRIVER SET

A quality screwdriver set, complete with a color coded, rotating stand and extra blades!

- ◆ 9 screwdrivers in a complete range of blade sizes (in mm): .60, .88, 1.00, 1.20, 1.40, 1.60, 2.00, 2.50, and 3.00
- ◆ The base has a swivel head for ease of use, central compartment for storing extra blades and a rubber base plate for stability

#P-1725... \$21.00



REPLACEMENT WATCHMAKER'S

SCREWDRIVER BLADES An economical way to revitalize your jeweler's/watchmaker's sized screwdriver set

♦ Blades fit Bergeon and economy screwdriver sets. Quickly match sizes based on the color coding on the handles of your screwdrivers

♦ Sold in packs of 12... all blades same size

Matches handle color: Blade diameter:

#P-2115 ...Brown... .118" 3.00 mm\$**9.75 dozen**

#P-2116 ...Blue......089" 2.50 mm\$**9.75 dozen**

#P-2117 ...Green... .078" 2.00 mm\$**9.75 dozen**

#P-2118 ...Purple .. .063" 1.60 mm\$**8.50 dozen**

#P-2119 ...Gray 055" 1.40 mm\$**7.50 dozen**

#P-2120 ...Red......047" 1.20 mm\$**7.75 dozen**

#P-2121 ...Black 039" 1.00 mm\$**7.75 dozen**

#P-2122 ...Yellow .. .031" 0.80 mm\$**6.50 dozen**

#P-2123 ...Lilac......024" 0.60 mm\$**6.50 dozen**

4-IN-1 MINI POCKET SCREWDRIVER

A versatile tool for your tool box or when making house calls!

♦ Designed for tight, close-up work
♦ Remove the end caps to expose the easily reversed, double-ended blades: Phillips (#1 and #00) and Slotted (1/16" and 1/8") ♦ Durable plastic barrel

#P-2134... \$**2.75**

4-IN-1 POCKET SCREWDRIVER

Ideal for repairmen, hobbyists and do-it-yourselfers!

♦ Remove the end caps to expose the easily reversed, double-end chrome vanadium blades: Phillips (#0 and #1) and Slotted (1/8" and 5/32")

♦ Durable plastic grip barrel: faceted for a secure grasp

#P-2135... \$**2.75**

India Medium/Fine Combo Stone

A stone which can be used on both sides for smoothing or sharpening!

♦ 6" x 2" x 1" #P-1617... \$**23.00**

FLAT EMERY BUFFS...

Emery paper mounted on an 11" wooden handle

Available in 4 grits:

#P-639.0... Finest

#P-639.1...1 Grit

#P-639.2... 2 Grit

#P-639.3... Coarsest

...\$1.00 each 6+... \$.75 each

4" DIGITAL CALIPER
Durable, precise, & accurate!
Large, easily readable, with 4-way measurement: outside, inside, top and depth...

♦ Measures from 0" to 4" or 0 to 101.6 mm
♦ Switch from Inch to Metric with the push of a button
♦ On/Off button
♦ 6-5/8" overall length
♦ Protective case included

#P-1752... \$**29.75**

NATIONAL APPRENTICE MICROMETERS

AMERICAN MADE!

♦ Full satin finish with decimal equivalents

♦ Friction stop

♦ Adjustable

#P-557...0 to 1" in

.001" grads ...\$**23.75**

#P-558...0 to 25 mm in

.01 mm grads ...\$**23.75**

140...Repair Supplies/Tools

MALLET WITH DETACHABLE FACES

A high quality wooden handled mallet...its faces

can be changed to provide various combinations

- ♦ Supplied with one brass and one fiber head
- ♦ Includes a wrench to tighten or remove head securing collars
- ♦ 2-5/8" long ♦ 5 oz. head weight ♦ 9-1/4" overall length **#P-1255... \$20.00**

REPLACEMENT FACES AVAILABLE:

#P-1255A...Brass #P-1255B...Fiber #P-1255C...Nylon YOUR CHOICE...\$2.00 ea.

FLAT/BALL PEIN MALLET

♦ An economical mallet with a 2 ounce steel head and steel handle

- ♦ 8-3/16" long

#P-1863... \$5.50

JEWELERS SAWS...

Serrated clamps hold blade firmly. Adjustable frame permits drawing blade tight and also permits use of broken blades. These are strongly constructed with flat steel frames, hardwood handles and thumb screw locking devices.

**#P-511... 6" depth
...\$16.50**

**#P-510...3" depth
... \$12.00**

COMMERCIAL GRADE JEWELERS SAW BLADES...

Number	Size	Thickness	Width
P-596A.....	4/0	.010	.019
P-596B.....	3/0	.012	.020
P-596C.....	2/0	.012	.0215
P-596D.....	1/0	.012	.022
P-596E.....	1	.014	.027
P-596F.....	2	.014	.031
P-596G.....	3	.014	.035



For cutting all metals, bone, pearl, and other hard materials. Round backs make it easy to turn corners and follow curves, an operation where many other saws are broken.

YOUR CHOICE...\$1.75 doz. \$9.00 gross

BRASS BRISTLE SCRATCH BRUSH...4 rows of brass wire bristles

produce a soft satin brush finish on hard-to-clean movements

- ♦ 8-1/2" long **#P-403... \$12.00 3+... \$11.25 each**

NATURAL BRISTLE HAND BRUSHES...

Economical, convenient for cleaning and dusting

- ♦ 10" long
- ♦ Natural Bristle

#P-608... Soft Bristle

\$2.75 6+... \$2.00 each

#P-1945... Hard Bristle

- ♦ With a harder bristle than our #P-608 Brush

\$2.75 6+... \$2.00 each



Repair Supplies/Tools...141

12 PC. FILE SET...Set of twelve 5 1/2" long files packaged in a folding plastic pouch

- ♦ Includes one each of the following file shapes: Round, square, knife, barette, warding, marking, 3-square, half-round, slitting, crossing, equaling and round-edge joint **#P-175...\$12.25 set**

PLASTIC NEEDLE FILE HANDLE...

A durable plastic handled holder ...secures files perfectly!

- ♦ Spring vice holder ♦ 3-3/4" overall length **#P-1673... \$33.50**



SCREWHEAD FILE WITH TANG...

For slots in small screw heads

- ♦ 3" file length x 25/64" wide

#P-1626A... ♦ #8 .014"

- ♦ .35 mm thickness ...**\$33.75**

#P-1626B... ♦ #4 .022"

- ♦ .55 mm thickness ...**\$34.75**

GATHERING PALLET FILE...

Especially designed for filing gathering pallets on Tall Clocks, Vienna Regulators, and other European clocks

- ♦ Can be used to file any small, square hole.
- ♦ 4" overall length **#P-1611... \$14.50**

HEAVY DUTY HAND & GEAR PULLER

for all types of clocks and instruments!

- ♦ Adjustable to fit various sized hands with the pusher always centered.
- ♦ Pressure via the knurled nut pulls the hand or gear away from the post or pinion. When used properly, it will not touch your dial
- ♦ Jaws open to 7/16" **#P-439... \$23.50**

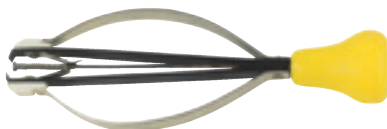


TOP QUALITY!



BERGEON® PRESTO-1 HAND PULLER

- ♦ A sturdy puller with fiber tips that will not mar your wrist watch dial
- ♦ The jaws retract when the side springs are pressed, while the center plunger holds the hands firmly in place **#P-1635...\$46.00**



CLOCK HAND PULLER...

- ♦ Jaw opening: 1/8"
- ♦ Post size: 1/16" **#P-424... \$15.00**



UNIVERSAL PULLER

Designed to pull gathering pallets, hands and gears. A versatile imported, economy tool

- ♦ 2-1/2" x 1-1/2"
- ♦ Knurled steel thumbscrew mounted on a threaded steel shaft **#P-1783... \$11.50**



ECONOMY FIBER TIPPED HAND PULLER

- ♦ A sturdy puller with fiber tips that will not mar the dial on your watch or small clock
- ♦ The jaws retract when the side springs are pressed, while the center plunger holds the hands firmly in place **#P-1630... \$10.25**



PLUNGER-STYLE HAND REMOVER...

- ♦ For small clocks and watches ♦ 4-1/2" long **#P-610...\$9.50**

142...Tools

TWEEZER ASSORTMENT...

A value-priced assortment of high quality tweezers

♦ 1 each: AA, MM, NN, 3, and 5 in a plastic pouch

#P-611... \$9.00



MM TWEEZER... A quality 5" nickel plated tweezer at a bargain price!

♦ Boley style #P-577... \$2.50 ea. 3+... \$2.00 each



Dumont Style Tweezers... Forged from the finest grades of metals and machined to a smooth satin finish for professional watch and clock makers!



...#P-1680 Dumont #10b

Dumont #10b Tweezers... Fine points for curving hairspring centers

♦ 4-3/4" overall length

♦ Carbon steel #P-1680... \$55.00



...#P-1681... Dumont #OC

Dumont #OC Tweezers... A shorter (3-1/2") tweezer for handling small parts

♦ Tapered shanks with flat edges; points have been honed and are very sharp

♦ Stainless steel #P-1681... \$40.00

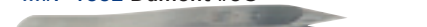


...#P-1682 Dumont #3C

Dumont #3C Tweezers... A shorter (4-1/2") tweezer for handling small parts

♦ Tapered shanks with beveled edges; points have been honed and are very sharp

♦ Carbon steel #P-1682... \$43.00



... #P-1683... Dumont #H



...#P-1684 Dumont #5



...#P-1686... Dumont #6



...#P-1688 Dumont #8

Dumont #H Tweezers... Stubby, wide shanks for a strong grip on an object

Often used in pairs for wire bending, adjusting, etc. ♦ Points are honed with round, blunt tips ♦ Overall length: 3-1/2" ♦ Carbon steel #P-1683... \$39.00

Dumont #5 Tweezers... Ideally suited for handling very small parts. Points are very narrow and needle-like. ♦ Overall length: 4-1/2" ♦ Carbon steel

#P-1684... \$39.75

Dumont #6 Tweezers... Sharp hooked points for wire wrapping, forming, bending, and coiling. Angled points are also useful for reaching hard to reach spots.

♦ Overall length: 4-1/2" ♦ Carbon steel

#P-1686... \$55.00

Dumont #8 Tweezers... Blades are extra thick with blunt jaws for straightening wires, leads, etc. ♦ Overall length: 4-1/4" ♦ Carbon steel

#P-1688... \$69.50



CROSS LOCKING SOLDERING TWEEZERS

A straight, stainless steel tweezer with heat resistant fiber grips. The cross locking jaws provide permanent tension and holding power!

♦ Long, blunt, tapered jaws are serrated ♦ 6-1/2" long

#P-1788... \$3.00

Repair Supplies/Tools...143

WALLER CARBIDE GRAVER SET

For efficient, economical high speed engraving!

- ♦ The sharp carbide tool responds instantly to the slightest pressure
- ♦ Set includes 4 graver bits, two handles, lapping wheel with arbor, diamond compound container, Dyna-Lube® diamond compound stick and impregnator...all mounted on a hardwood bench block!
- ♦ New style carbide impregnator permits faster, more dense impregnation of the lap wheel



#P-1973... \$165.00

WALLER CARBIDE GRAVER HANDLE AND GRAVER BIT

- ♦ Handle and bit available individually as a spare or as replacement for your set! #P-1974... \$18.00



WALLER CARBIDE GRAVER BIT...

- ♦ Bit available individually as a spare or as a replacement for your set!

#P-1975... \$14.25



REPLACEMENT DYNA-LUBE DRY LUBRICANT COMPOUND STICK

#P-1983... \$14.00



REPLACEMENT DIAMOND COMPOUND and CONTAINER



#P-1984... \$21.00

6 PIECE SQUARE PIVOTING GRAVER SET...

A set of six gravers in graduated sizes for pivoting, turning, etc. on small lathes

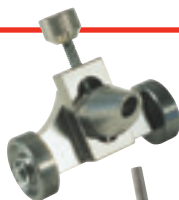
- ♦ Tool steel with finished ground points #P-1121... \$82.00 set



BERGEON® GRAVER SHARPENING TOOL...

Holds your gravers at the proper angle for sharpening!

- ♦ An all metal holder for gravers with shafts up to 5/32" (4.2 mm) diameter
- ♦ Thumb screw is adjustable to hold your graver securely for precision sharpening #P-1638... \$99.00



REPAIRMAN'S TAPER REAMER...Excellent for enlarging holes in dial pans, etc. ♦ Tapers from 1/8" to 1/2" #P-433... \$17.00

GERMAN-MADE AWLS!

Each 7 -1/2" long with a comfortable ergonomic plastic grip



#P-1589... Round Awl
...\$7.00

#P-1590... Square Awl: Great for adjusting the hand bushings on Hermle and other clock movements! ...\$7.75



144...Tools

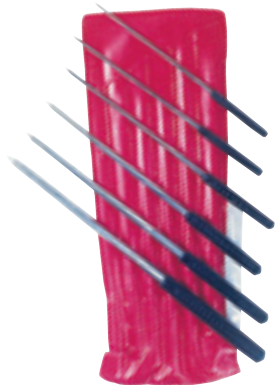
German-made BROACH ASSORTMENTS



12 piece assortments of the most used stubs from sizes 15 to 70

#P-455...CUTTING BROACHES ♦ 5-sided for enlarging pivot holes ...\$35.50 set

#P-456...ROUNDING BROACHES ♦ For finishing/burnishing pivot holes ...\$35.50 set



6 PC. BROACH SET...

A versatile 6 piece set that is a "must have" item if you work on grandfather and other large clocks

- ♦ Easy-to-grip plastic handles
- ♦ Includes sizes which range from 1.2 mm to 5.5 mm

#P-1549... \$22.50 set



PIVOT FILE & BURNISHER...

Regular, polished corners are slightly rounded for filing, polishing and hardening

#P-963...

RIGHT: for burnishing from the bottom ...\$59.00

#P-964...

LEFT: for burnishing from the top...\$59.00



M&B E-Z WINDER... Holds any clock key for a better grip: Helps the elderly and arthritic hold keys securely!

- ♦ Made from durable brass and steel
- ♦ Includes a hex wrench to securely lock keys in place with set screws
- ♦ 3-3/4" long x 3-1/4" overall width

#P-1934... \$21.50

SLOTTED BENCH KEY...

This key will allow you to let the main spring down on most clocks using your wing key

- ♦ Includes a durable plastic handle with a metal insert and tension spring
- ♦ The slotted steel insert holds all wing keys. (wing key not included)

#P-373... \$19.50 set



"INSTANT AIR" BULB...

This durable rubber bulb provides the air to quickly remove unwanted dust particles!

- ♦ Metal nozzle
- ♦ No refill cans to run out!

#P-837... \$3.25



BLOW OFF AIR CLEANER

and DUSTER... An all purpose duster for removing dust and debris from movements, dials and other clock parts

- ♦ Safe on plasitcs ♦ Nonabrasive
- ♦ Leaves no residue
- ♦ Also recommended for use with computers, sewing machines, scanners, shredders, jewelry and more
- ♦ 10 oz. can

#P-1851... \$8.00

12+....\$6.50 each



Repair Supplies/Tools...145



STEEL GRAVERS

- #P-1737A... Carbon Steel Graver ♦ Lozenge:1.75 mm...\$12.50
- #P-1737B... Carbon Steel Graver♦ Lozenge:2.00 mm...\$12.50
- #P-1737C... Carbon Steel Graver♦ Lozenge:2.50 mm \$12.50
- #P-1738A... Carbon Steel Graver♦ Square:2.00 mm ..\$12.50
- #P-1738B... Carbon Steel Graver♦ Square:2.50 mm ..\$12.50
- #P-1738C... Carbon Steel Graver♦ Square:2.75 mm ..\$12.50
- #P-1738D... Carbon Steel Graver♦ Square:3.25 mm ..\$12.50
- #P-1739A... Cast Steel Graver
 - ♦ Square with shank:1.50 mm\$19.50
- #P-1740... Cast Steel Graver
 - ♦ Lozenge/polished with shank:1.50 mm\$19.50

LET-DOWN KEY with INTERCHANGEABLE ENDS

The durable plastic handle incorporates a metal insert and tension spring

CHOICE OF TWO SETS...

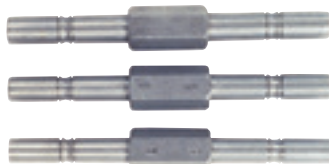
#P-110A...4 PIECE SET ♦ Includes handle and three double end keys: (5 & 6), (7 & 8), (10 & 12) ...\$33.75 set

#P-110B...7 PIECE SET ♦ Includes handle and six double end keys: (1 & 2), (3 & 4), (5 & 6), (7 & 8), (10 & 12), (14 & 16) ...\$48.75 set

#P-110.9 ...Size 9 & 11 Double End Key (Not included in sets) ...\$7.00

#P-110.00 ...Size 0 & 00 Double End Key (Not included in sets) ...\$7.00

#P-110H ...Handle only ...\$13.00 each



#P-2166... DOUBLE ENDED WIRE BENDING TOOL...

for use with our P-110H Handle

- ♦ Reversible, with ends for medium and larger thickness wires
- ♦ Easily inserts into our sturdy P110 handle for a wire bending tool with a reach of over 3-1/2"
- ♦ Made from steel, 7-7/8" overall length #P-2166... \$7.75



LET-DOWN TOOL HOLDER... The perfect way to keep your key set organized and ready to use: accomodates 1 handle and up to 9 keys!

- ♦ Hardwood: 6" L x 1-3/4" W x 2" H
- ♦ Let-down keys not included #P-1310... \$9.00



CHAIN RETAINERS... SET OF 3

A time saving accessory necessary when working with chain-driven clock movements!

- ♦ A set of 3 adjustable retainers to keep chains from slipping off the chain wheel when the clock is in transit or lying down
- ♦ Spring-loaded barrels keep the spring retainer locked securely around your chain
- ♦ Inexpensive; simple to use #P-1372...\$7.50 set 3+ Sets ...\$7.00 set



146...Repair Supplies/Tools

THE MOST ADVANCED TOOLS OF THEIR KIND IN THE WORLD!!...

BLAZER TORCHES... with high tech Piezoelectronic instant ignition systems

- ♦ Uniquely designed for the shop, outdoors or in the household
- ♦ Refillable using any multiple head butane lighter refill canister
- ♦ Because of safety/security regulations, we ship without butane

#P-955... STANDARD TORCH...adjustable temperatures to 2500°

- ♦ All brass construction with a chromed finish and a rubber cushioned safety grip
- ♦ Includes a detachable stand for hands-free use ...\$66.00



#P-1301... PENCIL TORCH...

- ♦ Lightweight with a precisely controlled 2500° flame
- ♦ Handy folding stand frees both hands
- ♦ Unlimited uses ...\$46.50



"The Blazer Hot Shot" Portable and lightweight with superior flame control!

- ♦ Instant electronic ignition ♦ 6" tall
- ♦ Butane powered ♦ 2500° F flame
- ♦ Gas flow and adjustment knob
- ♦ Includes a built-in stand for hands-free use... Up to 2 hours burn time! #P-1750... \$29.50



"The Blazer Stingray" with a high quality anodized finish...ideal for all types of repairs

- ♦ 2500° F flame ♦ Instant electronic ignition
- ♦ Butane powered ♦ Gas flow and adjustment knob
- ♦ 6" tall ♦ Includes a detachable stand for hands-free use.
- ♦ Up to 2 hours burn time! #P-1748... \$46.00



"The Blazer Excalibur"

Self igniting cordless soldering iron, hot air blower and torch kit!

- ♦ Instant electronic ignition
- ♦ Butane powered
- ♦ 2500° F flame
- ♦ Max. tip temp.: 1110 °F
- ♦ Gas flow and adjustment knob
- ♦ Up to 70 minutes burn time!
- ♦ 9" long ♦ Includes a torch, 6 different tips, tip wrenches, solder, and a protective case #P-1749... \$63.50



BLAZER TRIPLE REFINED BUTANE REFILL...

150 gram cannister of butane for Blazer torches and countless pocket lighters!

- ♦ Complete with the nozzle adaptors to fit devices by: Arcade, Arcole, Augusta, Ben Wade, Blazer Torch, Braun, Brother Life, Bugatti, Cartier, Colibri USA old versions, Colibri England, Consul, Corona, Cozy, Crown, Diplomat, Dupont, Dunhill, Europe, Flamex, Flamecrest, Flaminaire, GBD, G.S.Hill, Hadson, Ibelo, Imco, Japan Lighters, JJJ, Kawee, Kaywoodie, Leo, Maruman, MAXIM, Mytflam, Old Rowenta, Parker, Penguin, Peterson's, Pierre Cardin, Ronson, Scripto, Silvermatch, Starlon Studio, Tanita, Win, Windmill, Zaima, Zenith and others.
- ♦ Can only be shipped via UPS Ground P-1092... \$5.00

Repair Supplies/Tools...147



MicroSet® Precision Watch & Clock Timers

Powerful new tools for professional repairmen or serious collectors. Microset ® 2 and 3 both incorporate many unique features which have never been available before in a clock/watch timer!

If you work primarily with clocks...

Microset 2® is supplied with both an acoustic pickup for tick sounds and an optical sensor to monitor pendulum swings rather than tick sounds: also measures Atmos and 400-day clocks

- ◆ 2-year Warranty
- ◆ Built-in speaker
- ◆ Compact size: 3.5" x 5.5" x 2"
- ◆ Resolves beat times to 1 millionth of a second or hundredths of a beat per hour
- ◆ 16 character LCD display
- ◆ Includes clock train data book
- ◆ 5 button key pad and level control with on/off switch
- ◆ Runs on a 9-volt battery or AC wall adaptor (included)
- ◆ Measures beat times from 36.0 to 36,000 beats per hour (BPH)

Four operating modes:

- ◆ **Time:** measures the beat time of clocks and watches
- ◆ **Beat Error:** measures the ratio between even and odd ticks to put a watch or clock "in beat"
- ◆ **Strike:** diagnoses inconsistent errors in a strike train
- ◆ **Count:** determines the correct beat time of any running pendulum clock without counting teeth or a train table

#P-1666... MicroSet 2® with all of the above features ...\$315.00

If you work primarily with watches and clocks...

Microset 3® with all of the features of MicroSet 2® PLUS these additional technical modes...

- ◆ **Running Average Mode:** Will display the accumulated overall rate of any clock or watch, becoming more accurate the longer it runs
- ◆ **Display:** Adds the ability to display clock and watch rates as seconds of error per day. It is not limited to a predefined set of train times. Microset 3® can be configured for any watch or clock you are working on.
- ◆ **Pendulum Adjustment Mode:** Will display the amount you must move the bob to make the clock run on time in ten-thousandths of an inch or fractions of a centimeter to make the clock run on time
- ◆ **Accutron Mode:** to rate tuning fork watches (Requires an optional sensor available through Merritt's by special order.)
- ◆ **Tick Mode:** Produces a graphical display of watch ticks and balance wheel amplitude with the Windows Interface Program (Version 3)
- ◆ **"Paper Tape" Display Mode:** Emulates paper tape strips like those produced by older watch timing machines using the Windows Interface Program (Version 3)

◆ 2-year Warranty

#P-1818... MicroSet 3® with all of the above features \$399.00



**#P-1666P... MicroSet® Pick-up Only...
\$24.50 ea.**

148...Repair Supplies/Tools

Improved units from TimeTrax® ...

Standard accessories with each unit:

- ◆ Model 20 Clip-On Sensor with an extra long cable
- ◆ Train Data book
- ◆ Comprehensive User's Guide

Model #185 ClockTimer... for mechanical clocks from 2,000 to 19,999 beats per hour: Measures the rate of mechanical clocks by sensing the escapement action and the mechanical sounds that accompany each tick. It works on a broad range of clocks, from fast train carriage clocks to tall case clocks. Vibrations are read in beats per hour, the standard measure in the science of horology. Two timing modes are incorporated: direct train measurement and balance mode.

- ◆ **Double Rate Update Readout...** gives stable, accurate readings in half the time!
- ◆ **Adjustable measurement cycle** from 2 to 130 beats for exact escape wheel matchup
- ◆ The standard, high quality **Built-in Beat Amplifier** allows you to hear problems loudly and clearly!
- ◆ Newly expanded **Handbook of Clock Trains**
- ◆ **Small, Lightweight and Durable**
- ◆ **Flashing LED** with each tick
- ◆ Sensitive **Quartz Crystal Timebase**
- ◆ Requires 4 "AA" batteries
- ◆ **1-year parts/labor warranty**

#P-1299... TimeTrax #185 Now only \$179.00



New and Improved: TIMETRAX®

MODEL 1000 PRECISION CLOCK & WATCH TIMER/BEAT AMPLIFIER

...with increased accuracy and resolution. New LCD display presents you with all information and updates simultaneously...no toggling back and forth from mode to mode!

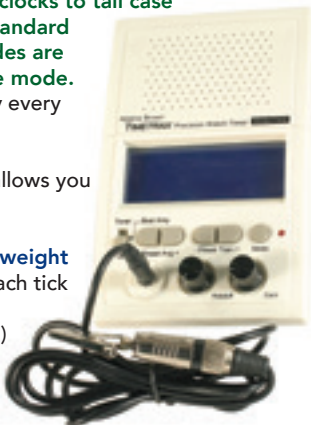
Each unit includes:

- ◆ Model 20 Clip-On Sensor with a 72" cable
- ◆ Train Data book
- ◆ Comprehensive User's Guide
- ◆ High performance, precision timer with updated, built-in beat amplifier
- ◆ Plug in external AC power adaptor

TimeTrax 1000® captures the rate of mechanical clocks by sensing the escapement action and the mechanical sounds that accompany each tick. It works on a broad range of clocks, from fast train carriage clocks to tall case clocks. Vibrations are read in beats per hour, the standard measure in the science of horology. Two timing modes are incorporated: direct train measurement and balance mode.

- ◆ **Super Rate Update Readout...** updates the display every 4 ticks (0.8 seconds)
- ◆ Timing range: from 60 to 39,999 beats per hour
- ◆ The standard, high quality **Built-in Beat Amplifier** allows you to hear problems loudly and clearly!
- ◆ Newly expanded **Handbook of Clock Trains**
- ◆ **Small** (7" long x 4-15/16" wide x 2-1/2" high), **lightweight** (1.5 ounces) and **durable**
- ◆ **Flashing LED** with each tick
- ◆ Sensitive **Quartz Crystal Timebase**
- ◆ Requires four "AA" Alkaline batteries (not included)
- ◆ **1-year parts/labor warranty**

#P-2114... TimeTrax 1000 Only \$319.00





DONEGAN OptiVISOR...

Featuring a dial adjustment headband to fit any head size.

- ♦ A quality magnifier constructed from light, durable material
- ♦ Fits over eye glasses

Working
No. Distance Power

#P-368....20" 1-1/2X

#P-382....14" 1-3/4X

#P-383....10" 2X

#P-392....8" 2-1/2X

#P-393....6" 2-3/4X

#P-613....4" 3-1/2X

- ♦ Adjustable pivot assembly on visor can be set to desired tension so it will stay in place when tilted

- ♦ Prismatic lenses are ground and polished

PLEASE SPECIFY MODEL NUMBER Your Choice... \$43.50 ea.

OptiLOUPE Fits on either side and swings away when not in use

- ♦ Adds 2-1/2X to the magnification of your Optivisor **#P-326...\$11.00**



OptiSIGHT® VISOR... OptiSIGHT® provides hands-free magnification for accurate, effective viewing!

- ♦ Brings work closer into focus: reduce your eyestrain and fatigue
- ♦ Precision optical grade acrylic prismatic lenses
- ♦ Can be worn over prescription or safety glasses
- ♦ Visor design shields out unwanted glare
- ♦ High strength plastic will not break

Includes three different interchangeable lens plates:

#3 ...1.75X at 14" viewing distance

#4... 2X at 10" viewing distance

#5... 2.5X at 8" viewing distance



Uses a simple snap in, snap out method to change lenses

#P-1664... \$29.00



DONEGAN OptiVISOR® PROFESSIONAL BINOCULAR SET

A top-of-the-line magnification system packaged in an impact-resistant, waterproof storage box. This is all you could ever hope for in a magnifier set!

The professional set includes:

- ♦ OptiVISOR® Magnifier Headband
- ♦ OptiLOUPE® attachment lens: adds 2-1/2X magnification for close inspection/work

- ♦ Set of 6 OptiVISOR® Glass Prismatic Lens Plates:

- ♦ 1-1/2X at 20" focal length
- ♦ 1-3/4X at 14" focal length
- ♦ 2X at 10" focal length
- ♦ 2-1/2X at 8" focal length
- ♦ 2-3/4X at 6" focal length
- ♦ 3-1/2X at 4" focal length

- ♦ Xenon laser VisorLIGHT® LT-6: Attached to the OptiVISOR headband, this lamp module delivers 6000 candlepower of consistent, focused light

- ♦ All securely packaged in a custom tailored, lockable storage box

#P-1943... OptiVISOR® PROFESSIONAL SET Only \$249.00

150...Repair Supplies/Tools

LIGHTWEIGHT DONEGAN EYEGLASS LOUPES

Easily attach to either temple of most eyeglass frames!

- ♦ Supplied with four different cams which adapt the Donegan Loupe to eyeglass frames 1/16" to 1/4" wide and a combination socket/phillips screwdriver
- ♦ Available with double and single lens systems
- ♦ The position of the lens swings to give the proper position, bringing the lens to the center of the eye. It also swings out of the way when not in use
- ♦ The lens can be changed for left eye use by detaching the stem from the loupe frame with the small combination socket/screwdriver provided and screwing the stem into the hole provided on the other side of the loupe frame
- ♦ Ultra lightweight polycarbonate frame and clamp: tough and durable
- ♦ Precision ground optical acrylic: precisely ground and polished
- ♦ 24 mm lens diameters

Double Loupes: Your Choice...\$27.50

#P-1662 2 -1-1/2" 5X/7X
 #P-1663 2-1/2- & 1-1/2" ..4X/7X
 #P-1719 2 & 1" 5X/10X
 #P-1720 3-1/2 & 2" 3X/5X



Single Loupes: Your Choice...\$23.50

#P-1658 1-1/2" 7X
 #P-1659 2" 5X
 #P-1660 2-1/2" 4X
 #P-1661 3-1/2" 3X



DONEGAN VISORLIGHT... Illuminates the magnified viewing area of your OptiVISOR

- ♦ Add a hands free, visor mounted light and battery pack on your OptiVISOR
- ♦ 6000 candlepower Xenon beam
- ♦ Powered by two "AA" batteries (not included) for up to 5 hours of life

#P-1665... \$25.50

#P-1665B... Replacement Bulb \$6.75



DONEGAN ASPHERIC LENS ILLUMINATED POCKET MAGNIFIER

A convenient, powerful hand-held magnifier with an illuminated view area.

- ♦ The high quality coated lens is designed to eliminate the spherical and other aberrations often found in simple convex magnifiers and brighten images
- ♦ Smaller with lighter weight as compared to conventional high-powered magnifiers
- ♦ Requires two "AA" batteries (included)

Choose from three magnification powers:

#P-1944A... 8X at 35mm ...\$16.75 #P-1944B... 10X at 35mm ...\$19.50

#P1944C... 14X at 30mm ...\$21.00



BAUSCH & LOMB DOUBLE LENS SPECTACLE LOUPES

Can be used independently or in combination

- ♦ Powers 7X and 4X with working distances of 1-1/2" and 2-1/2"



- ♦ Double lens loupe only: eyeglass not included

#P-413B...\$51.50 each

EYE LOUPES...

Choice of focal lengths:

#P-579A 2"
 #P-579B 2-1/2"
 #P-579C 3"
 #P-579D 3-1/2"
 #P-579E 4"

Your Choice... \$1.25 each
 3 for \$3.00



Repair Supplies/Tools...151



BIB-STYLE BLUE DENIM APRON...

- ♦ Durable ♦ Economical ♦ Perfect for bench and shop work
 - ♦ A full-size (35" long) apron with two front pockets
- #P-1153... \$11.50



TEAR-OFF REPAIR AND CLAIM CHECK TAGS...

- ♦ Convenient perforated tags with both halves numbered
 - ♦ Complete with strings
 - ♦ 2-7/8" L x 2-3/8" W
- #P-642...100 tags ...\$8.00
#P-642M...1000 tags ...\$69.00

COTTON GLOVES...Made from pure white cotton: protect jewelry, watches, silverware, brass, etc. from fingerprints, tarnishing and spotting

- ♦ One size fits most hands
- ♦ Choose from 2 different fabric weights

#P-1179...Heavyweight cotton #P-1180...Lightweight cotton
YOUR CHOICE...\$1.50 pair 12+ pair... \$1.00 pr.



WONDER WEDGE SET...

Fix your wobbles... Slide the Wonder Wedge under your clock or furniture leg to level and eliminate wobbles!

- ♦ Easily stacked for larger problem areas. Textured surfaces hold the Wonder Wedges in place
 - ♦ Durable plastic: 1-15/16" long x 1-3/16" wide
 - ♦ Set of 6: 3 medium (1/18") and 3 thick (1/4")
- #P-2067... \$3.00



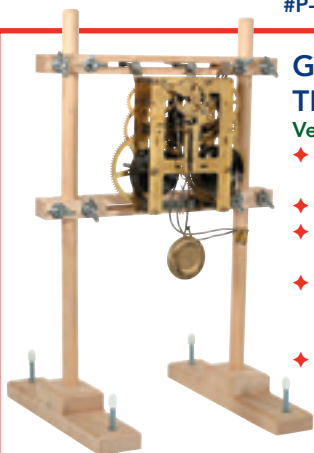
WOBBLE WEDGES... Fix anything that wobbles!

Simply slide the Wobble Wedge under your clock or furniture leg to level quickly and easily

- ♦ Easily stacked for big problem areas
- ♦ Textured surfaces create the friction necessary to hold the Wobble Wedges in place!
- ♦ Durable plastic: 1-7/8" long x 1-1/8" wide ♦ Tapers from 1/16" to 1/4"



#P-1328... Pack of 6 ...\$2.50 6+ packs ...\$2.00 ea.



GENE'S CLOCK MOVEMENT TEST STAND

Versatile... Adapts quickly to a variety of movements!

- ♦ Horizontal rails are v-grooved and slotted to hold movement plates and mounting feet securely
 - ♦ Designed for most wall and shelf clock movements
 - ♦ Movements can be easily wound when mounted on this test stand
 - ♦ Made from maple and birch hardwood: 16" high x 10" wide x 9" deep. Vertical dowels are replaceable if greater height is required.
 - ♦ The feet can be repositioned in a v-shape for a wider pendulum swing
 - ♦ Support feet are adjustable from the top for leveling
- #P-1981... \$61.25

152...Repair Supplies/Tools

New! ADJUSTABLE ALUMINUM MOVEMENT TEST STAND

...A versatile test stand designed for efficient bench use

- ◆ Made from cast aluminum with thumb screws for quick movement installation and stand adjustment. Base thumb screws on each leg allows for quick, even leveling
- ◆ Supplied with two versatile arms. Each arm incorporates a 3-7/8" wide grooved edge for mounting rectangular plates and a removable grooved stud for the secure positioning of round movements
- ◆ 16" tall with a 1/2" diameter shaft. The 5-1/2" long legs provide a wide base with exceptional stability

#P2161... \$53.00

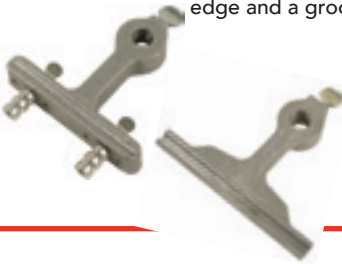


ALUMINUM TEST STAND ARMS

...will fit any stand with a 1/2" diameter shaft. Perfect as a replacement or to increase the capability of your test stand!

#P-2162.. ◆ Cast aluminum arm with a 3-7/8" wide grooved edge and a grooved stud for round movement plates

\$13.00 2 for \$24.00



#P2163... ◆ Cast aluminum with a 4-1/2" wide grooved edge for rectangular or square movement plates

\$12.50 each 2 for \$24.00

VG300 MULTI-USE CLOCK TEST STAND

Frees valuable workbench space...

AMERICAN-MADE FROM SOLID OAK!

Holds 2 or more movements, of all varieties, at once!

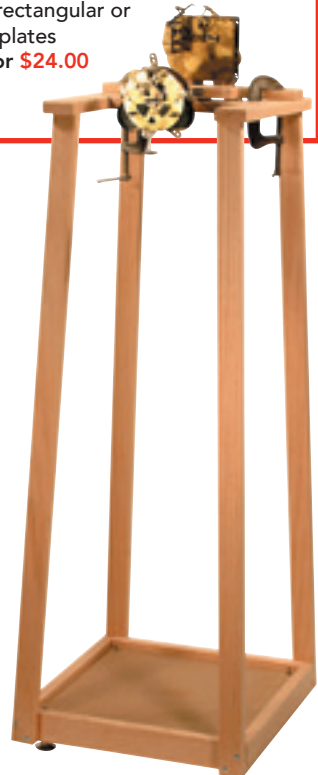
- ◆ Complete with two seat boards: One slotted with seat board hooks for pendulum and chain placement and one "vice" board that, when used with our #P1597 movement clamps, can be used to secure rear/front mount spring-driven movements. (Please note: P1597 clamps and C-clamps to secure the seat boards are not included)

Solid oak construction...

- ◆ 49" tall x 15" x 15" at the top
- ◆ 10-1/2" clearance between side rails at top
- ◆ Easy to use level adjustment screws on each corner of the base
- ◆ Easy, minor assembly required
- ◆ Movements not included

Frees valuable workbench space...

#P-2030... \$199.00



Repair Supplies/Tools-KWM...153

THE PARKER MOVEMENT HOLDER...

The ultimate holder for solving chiming, striking, and running problems... We are so convinced you will agree we guarantee your satisfaction!

- ♦ American-made from the highest quality stainless steel and aluminum, then finished with a corrosion-resistant finish
- ♦ Bench mounted: this holder will mount most metal movements regardless of shape or size. Ideal for cuckoos, grandfather, spring or weight-driven movements.
- ♦ Try the Parker Movement Holder for 30 days: If you are not satisfied with its quality and versatility return it to us for a full refund!

#P-1297... \$259.00

**Highest Quality!
Most Durable!
Most Versatile!**



CLAMP-ON KWM BUSHING FIXTURE

When properly clamped, this tool assures perfect perpendicularity: no crooked bushing holes due to hand reaming!

Quick and Easy to use:

- 1) Insert the KWM reamer of your choice
- 2) Attach the bushing fixture to your cordless screwdriver and clamp it to the movement plate to be bushed
- 3) Ream and bush! **Reamers are not included** #P-1332... \$35.50



7 PIECE HAND HELD KWM-SIZED BUSHING TOOL SET...

This 7 piece set includes a handle, 5 reamers, and a chamfering tool
#P-59... 7 pc. Set ...\$80.00



#1 #2 #3 #4 #5 #8



#P-59.6



Available individually:

#P-59H... Handle only \$12.50

#P-59.6... 8.7 Cutter (not part of the set) \$15.50

Extra cutters (#1 thru #5) ... \$14.75 ea.



Back in stock! KWM DRILL PRESS BUSHING ADAPTER...

Simply place the adapter on your drill press, center, bolt in place, and you are ready to bush!

♦ An economical alternative to other more costly bushing systems

Includes... ♦ Adapter frame with adjustable floating jaws

♦ Drill chuck adapter to hold KWM type reamers ♦ 2 anvils, 1 centering tool

♦ Mounting bolt

#P-1111... \$149.00

154... Repair Supplies/Tools-KWM

KWM BUSHING TOOL SET For the professional repairman! Replace bushings on clocks and instruments with precision!! **GERMAN MADE... FINEST QUALITY!**

Complete with...

- ♦ Staking tool frame with crank pressure shaft and two adjustable plate clamps
- ♦ Set of 5 anvils, 5 reamers and 5 pushers
- ♦ Chamfering tool ♦ Centering point
- ♦ Hook Key **#P-43...\$1299.00**

#P-43CP.. Centering Point available individually... **\$17.50**

**CENTER SHAFT
BUSHING** for the **#P-43
Elma KWM Bushing Tool**
#P-1570...
\$59.50 ea.

WOOD BASE
for the **#P-43
Elma KWM
Bushing Tool**
(not
illustrated)
#P-43B...
\$155.00 ea.

#P-43A... Accessory Set
available individually ...**\$399.00**

LARGE KWM BUSHING ACCESSORIES

- ♦ For use with 8.7mm bushings used for center wheels and tall clock barrel arbors

- ♦ This set consists of a reamer, anvil and pusher
#P-138... \$65.00 set
#P-59.6... 8.7mm cutter only
...\$15.50

KWM CENTERING SHAFT...
A factory replacement shaft for the
#P-43 KWM Bushing Tool
#P-927... \$60.00

PUSHERS for KWM BUSHING TOOLS...

#P-2021A... #P-2021B... #P-2021C...
KWM KWM KWM
Pusher #1 Pusher #2 Pusher #3
...\$7.00 ...\$7.00 ...\$7.00

KWM PIVOT GAUGE...

Shows the pivot diameter and reference number for KWM reamers and bushings

- ♦ Includes sizes 0.1 mm to 4.8 mm
#P-137... \$125.00

BERGEON KWM SIZED BRONZE BUSHINGS...

- ♦ Numbers refer to standard KWM sizes (see pg.155) with a "KZ-" prefix to identify the bronze
- ♦ Sold in packs of 10 only

YOUR CHOICE... 10 pcs./pack: \$4.00 pack 10+ packs...\$3.50 ea.

Available in these sizes:

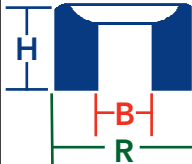
#KZ-11	#KZ-45	#KZ-40	#KZ-35	#KZ-20	#KZ-15	#KZ-16
#KZ-17	#KZ-12	#KZ-66	#KZ-41	#KZ-36	#KZ-21	#KZ-22
#KZ-33	#KZ-18	#KZ-13	#KZ-67	#KZ-42	#KZ-37	#KZ-38
#KZ-39	#KZ-34	#KZ-19	#KZ-14	#KZ-68	#KZ-43	#KZ-44
					#KZ-88	#KZ-89

Repair Supplies/Tools-KWM ...155

HIGH QUALITY AMERICAN-MADE KWM BRASS BUSHINGS

Please order from the chart below using the size and the "LB" prefix shown on the chart ♦ All sizes: 20 bushings per pack: **\$9.00 pack**

	H 1.0 mm	1.4 mm					1.7	1.9 mm			2.7 mm				3.0	4.0	
B	R I	II	III	IV	IVa	V	V	II	III	IV	II	III	IV	IVa	V	VI	VI
.10	LB55																
.15	LB56																
.20	LB01																
.25	LB57																
.30	LB02		LB64					LB86									
.35	LB58																
.40	LB03		LB08					LB87									
.45	LB59																
.50	LB04		LB09					LB32		LB94							
.55	LB60																
.60	LB05		LB10					LB33		LB95							
.70	LB06		LB11					LB34		LB96							
.80	LB07		LB12					LB35		LB97							
.90		LB61	LB13					LB36		LB98							
1.00		LB62	LB65	LB14				LB37			LB99						
1.10		LB63	LB66	LB15					LB38		LB100						
1.20			LB16						LB39		LB101						
1.30			LB17						LB40		LB102						
1.40			LB18						LB41		LB103						
1.50			LB19						LB42		LB104						
1.60			LB20						LB43		LB105						
1.70			LB67						LB88		LB106						
1.80			LB21						LB44		LB107						
1.90			LB68						LB89		LB108						
2.00				LB22					LB45		LB109						
2.10				LB69					LB90		LB110						
2.20				LB23					LB46		LB111						
2.30				LB70					LB91		LB112						
2.40				LB24					LB47		LB113						
2.50				LB71					LB92		LB114						
2.60				LB25					LB48		LB115						
2.70				LB72					LB93		LB116						
2.80				LB26					LB49		LB117						
2.90					LB138	LB73	LB80				LB143						
3.00					LB139	LB27	LB50				LB144	LB118					
3.20					LB140	LB28	LB51				LB145	LB119					
3.40					LB141	LB74	LB81				LB146	LB120					
3.60					LB142	LB29	LB52				LB147	LB121					
3.80						LB75	LB82					LB122					
4.00						LB76	LB83					LB123					
4.20						LB30	LB53					LB124					
4.40						LB77	LB84					LB125					
4.60						LB31	LB54					LB126					
4.80						LB78	LB85					LB127					
5.00																LB128	
5.20																LB129	
5.40																LB130	
5.60																LB131	
5.80																LB132	
6.00																LB133	
6.20																	LB134
6.40																	LB135
6.60																	LB136
6.80																	LB137



H = The **H**eight of the bushing correlates to the thickness of your movement's plates. These bushings come in 7 heights

B = The **B**ore or hole in the center of the bushing (in millimeters) which will receive the pivot of your gear's shaft

R = **R** indicates the outside diameter of the bushing and the correct reamer size for that bushing

REAMER #/ OUTSIDE DIAMETER...

R	I	II	III	IV	IVa	V	VI
O.D. 1.2	1.8	2.7	3.5	4.7	5.9	8.7	

HIGH QUALITY GERMAN-MADE KWM BRASS BUSHINGS

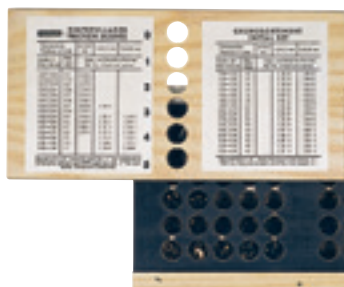
Please order sizes from the chart above using the size and an "L" prefix.

#L01 to #L127 and #L138 to #L147 contain 20 bushings each ...\$9.00 pack
Any 12+ packs.... \$8.50 each

#L128 to #L137 contain 10 bushings each ...\$16.00 pack

Any 12+ packs.... \$15.00 each

156... Repair Supplies/Tools-KWM



KWM BRASS BUSHING ASSORTMENTS...

The choice of the sizes in these assortments was made in accordance with the needs of clock repairmen. Bushings can be stored in quantities, and can be easily found in the cabinet by sliding the cover to match the numbers printed on the side of the cabinet.

#P-702... INITIAL BUSHING SET... Contains 590 bushings. Pivot hole diameters range from .07mm to 4.45mm **...\$245.00 set**

#P-703... SUPPLEMENTARY SET... Contains 590 bushings which do not duplicate #P-702 set. Pivot hole diameters range from .23mm to 4.65mm. **...\$219.00 set**

#P-702.3... COMPLETE SET... All 1180 Brass Bushings listed above...**\$450.00**

KWM BRASS BUSHING MINOR ASSORTMENTS...

For the limited requirements of small workshops or bulk use of needed sizes.

♦ Each assortment contains 10 bushings each of 10 different sizes, 100 pieces, (except #P-719) in a partitioned plastic box with a chart showing sizes.

#P-711... For miniature clocks and small alarm clocks. Covers diameters 0.15 to 0.7mm, height: 1mm**\$37.50**

#P-712... For alarm clocks with thin pivots. Covers pivot diameters 0.4 to 1.3mm, height: 1.4mm**\$38.00**

#P-713... For alarm clocks with thick pivots. Covers pivot diameters 1.4 to 3.0mm, height: 1.4mm**\$37.50**

#P-713A... Supplement to #P-713 with in-between sizes.....\$37.50

#P-714... For alarm clock center wheels and barrel arbors. Covers pivot diameters 3.2 to 4.8mm, heights: 1.4 and 1.7mm**\$38.00**

#P-714A... Supplement to #P-714 with in-between sizes.....\$38.00

#P-715... For mantel clocks and wall clocks with thin pivots. Covers pivot diameters 0.3 to 1.2mm, height: 1.9mm**\$39.00**

#P-716... For mantel clocks and wall clocks with thick pivots. Covers pivot diameters 1.3 to 2.8mm, height: 1.9mm**\$39.00**

#P-716A... Supplement of #P-716 with in-between sizes\$39.00

#P-717... For grandfather clocks and wall clocks with thin pivots. Covers pivot diameters 0.5 to 2.0mm, height: 2.7mm**\$35.00**

#P-717A...For grandfather clocks and wall clocks with medium pivots. Covers pivot diameters 1.7 to 2.8mm, height: 2.7mm.....**\$38.00**

#P-718... For grandfather clocks and wall clocks with thick pivots. Covers pivot diameters 3.0 to 4.8mm, height: 2.7mm.....**\$35.00**

#P-719... For grandfather clocks and industrial movement center wheels and barrel arbors. Covers pivot diameters 5.0 to 6.8mm, height 3.0 and 4.0mm, outside diameter 8.7mm (5 bushings each, 10 different sizes). Larger reamer, anvil and pusher required for this assortment (see page 154)**\$64.50**

#P-720... Thin-wall bushings with diameter 4.7mm. Covers pivot diameters 2.9 to 3.6mm, height: 1.4 and 2.7mm.....**\$39.00**

Repair Supplies/Tools...157

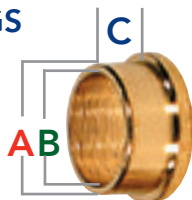
BRITISH-MADE WINDING ARBOR/BARREL BUSHINGS

Your choice...

\$2.50 each

3+...

\$2.25 each



ORDER #:

Choose from nine sizes:

A B C

Bushing Size: Bore: Depth of turning:

#P-1816A...	6.0 mm	3.00 mm	4.2 mm
#P-1816B...	7.0 mm	4.00 mm	4.2 mm
#P-1816C...	8.0 mm	5.00 mm	4.2 mm
#P-1816D...	9.0 mm	6.00 mm	4.2 mm
#P-1816E...	10.0 mm	7.00 mm	4.2 mm
#P-1816F...	11.0 mm	9.00 mm	4.2 mm
#P-1816G...	12.0 mm	10.00 mm	4.2 mm
#P-1816H...	13.0 mm	11.00 mm	4.2 mm
#P-1816J...	14.0 mm	12.00 mm	4.2 mm

QUICK PIVOTS FOR AMERICAN, FRENCH & GERMAN CLOCKS

Easy re-pivoting with power drill or lathe:

- 1) Select the pivot cap nearest to your required size and burnish as necessary
- 2) Dress down the shaft of your damaged wheel to match the bore (B) of the pivot cap
- 3) Tap the pivot cap home into position and the job is done

Choose from six sizes...

B C L

#P-915.1	0.95....	0.55 ...	3.80 mm
#P-915.2	1.30....	0.65 ...	3.50 mm
#P-915.3	1.80....	1.05 ...	5.00 mm
#P-915.4	1.90....	1.60 ...	6.50 mm
#P-915.5	3.20....	1.60 ...	7.00 mm
#P-915.6	4.00....	2.00 ...	9.00 mm



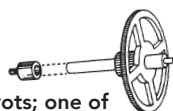
#P-914...

Quick Pivot

Assortment: 6 pivots; one of each size ...**\$17.75 assortment**

#P-915... Quick Pivot Packs:

5 pivots; all one size: Please order using #P- numbers ...**\$16.75 pack**



8 PIECE BUSHING WIRE ASSORTMENT...

...A lead-free hard brass assortment that includes extra large sizes for winding arbor bushings

♦ 8 pieces per assortment: each 80mm in length (3-5/32")

♦ Outside diameters range from 1.58mm to 11.10mm

♦ Inside diameters range from .1mm to 7.50mm #P-1304 ... **\$11.50 Assortment**



BRASS BUSHING WIRE: 5-PIECE PACK

♦ Outside diameter: 3.00 MM ♦ Inside diameter: 1.00 MM

♦ Length: 80mm (3-5/32") #P-1935... **\$7.50 pack**



AMERICAN-MADE exclusively for Merritt's: **PIVOT GAUGE for BERGEON BUSHINGS**

This high quality tool is made for us here in Pennsylvania: it is not available anywhere else!

- ♦ Made from lightweight, but durable, 1/16" thick aluminum stock with brass bushings
- ♦ Includes Bergeon bushings sizes from 00 to 126 with reference numbers for Bergeon reamers and bushings

#P-2028... **\$119.00**

KWM AND BERGEON-SIZE DRILL PRESS BUSHING ACCESSORIES...

#P-1606... Bergeon Drill Press Adaptor: Instantly converts your drill press to a Bergeon-sized bushing tool ...**\$7.50**

#P-1607... KWM Drill Press Adaptor: Instantly converts your drill press to a KWM-sized bushing tool ...**\$7.50**

#P-1606

#P-1607



158... Repair Supplies/Tools-Bergeon

BERGEON BUSHING TOOL SYSTEM

- ♦ Durable
- ♦ Precise
- ♦ Accurately and easily bushes plates from 50mm to 220mm...

The complete Bergeon Bushing System includes:

- ♦ Bushing Tool with two plate clamps
- ♦ Centering bit
- ♦ 4 drilled stakes
- ♦ 1 undrilled stake
- ♦ Chamfering tool
- ♦ 3 driving punches
- ♦ 10 reamers sized for Bergeon brand bushings

#P-139... Complete Bergeon Set

...\$950.00



Now available separately:

Bergeon Bushing Tool Accessory Set...

- ♦ 21 pc. assortment of reamers, stakes, punches, etc. listed above

#P-1572... \$350.00

BERGEON BUSHING ASSORTMENTS...

- ♦ All assortments packaged in partitioned cardboard boxes
- ♦ Please refer to the table on page 159 for individual measurements



Bergeon Brass Master Assortment #5488...

450 brass bushings for clocks, alarm clocks and instruments

- ♦ Contains 10 pcs. each: #1-15 and #31-45 plus 5 pcs. each: #16-30 and #46-60

#P-723... \$120.00

Bergeon Bronze Master Assortment #5816... Bergeon 450 piece master assortment in bronze for clocks, alarm clocks, and instruments

- ♦ This assortment contains 10 pieces each: #1 to 15 and #31 to 45 plus 5 pcs. each: #16 to 30 and #46 to 60

#P-1548... \$174.50

Bergeon® Brass Assortment #4166... 225 brass bushings for clocks, alarm clocks and instruments

- ♦ Contains 10 pcs. each sizes #1-15 and 5 pcs. each #16-30

#P-721... \$69.00

Bergeon® Brass Assortment #5456... 225 brass bushings for clocks, alarm clocks and instruments

- ♦ Contains 10 pcs. each sizes #31-45 and 5 pcs. each #46-60

#P-722... \$69.00

Bergeon® Brass 5mm Bushing Assortment #6717... 210 piece assortment of brass

bushings for clocks and regulators ♦ 7 bushings of each size from #BE-101 through #BE-130

#P-1542... \$105.00

Bergeon® KWM-Sized Brass Bushing Assortment #6607...

210 piece assortment of brass bushings for clocks and regulators in KWM sizes

- ♦ 7 bushings of each size from #11 through #22, #33 through #40, #41 through #43, #67, #68, #88 and #89

#P-1573... \$85.00

Bergeon® KWM-sized Bronze Bushing Assortment #6608...

210 piece assortment of bronze bushings for clocks and regulators

- ♦ 7 bushings of each: #11-21, #33-44, #66-68 and #88

#P-1555... \$85.00

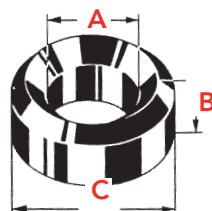
Repair Supplies/Tools-Bergeon...159

Order No.	A MM	B MM	C MM
00	0.30	2.80	2.00
0	0.40	2.80	2.00
1	0.40	1.50	2.00
2	0.50	1.50	2.00
3	0.60	1.50	2.00
4	0.60	3.00	2.00
5	0.70	1.50	2.00
6	0.70	3.00	2.00
7	0.80	1.50	2.50
8	0.80	3.00	2.50
9	0.90	1.50	2.50
10	0.90	3.00	2.50
11	1.00	1.50	3.00
12	1.00	3.00	3.00
13	1.25	1.50	3.00
14	1.25	3.00	3.00
15	1.50	1.50	3.50
16	1.50	3.00	3.50
17	1.75	1.50	3.50
18	1.75	3.00	3.50
19	2.00	1.50	4.50
20	2.00	3.00	4.50
21	2.25	1.50	4.50
22	2.25	3.00	4.50
23	2.50	1.50	4.50
24	2.50	3.00	4.50
25	3.00	1.50	5.50
26	3.00	3.00	5.50
27	4.00	1.50	6.50
28	4.00	3.00	6.50
29	5.00	3.00	7.50
30	6.00	3.00	8.50
31	0.30	1.60	2.00
32	0.35	1.50	2.00
33	0.40	2.00	2.00
34	0.45	2.00	2.00
35	0.50	1.20	2.00
36	0.50	2.00	2.00
37	0.55	1.60	2.00
38	0.65	2.00	2.00
39	0.75	2.00	2.00
40	0.85	2.00	2.50
41	0.95	1.20	2.50
42	1.00	2.00	3.00
43	1.10	2.00	3.00
44	1.20	2.00	3.00
45	1.25	2.00	3.00
46	1.30	2.00	3.00
47	1.40	2.00	3.50
48	1.50	2.00	3.50
49	1.60	1.50	3.50
50	1.65	2.00	3.50
51	1.70	2.00	3.50
52	1.80	2.00	3.50
53	1.90	2.00	3.50
54	2.00	2.00	4.50

Order No.	A MM	B MM	C MM
55	2.10	2.00	4.50
56	2.25	2.00	4.50
57	2.40	2.00	4.50
58	2.75	2.00	4.50
59	5.00	2.00	8.50
60	6.50	2.00	8.50
101	0.80	5.00	2.00
102	1.00	5.00	2.00
103	1.00	5.00	2.50
104	1.20	5.00	2.50
105	1.20	5.00	3.00
106	1.40	5.00	2.50
107	1.40	5.00	3.00
108	1.60	5.00	3.00
109	1.60	5.00	3.50
110	1.80	5.00	3.00
111	1.80	5.00	3.50
112	2.00	5.00	3.50
113	2.00	5.00	4.00
114	2.20	5.00	3.50
115	2.20	5.00	4.00
116	2.40	5.00	3.50
117	2.40	5.00	4.00
118	2.60	5.00	3.50
119	2.60	5.00	4.00
120	2.80	5.00	4.00
121	3.00	5.00	4.50
122	4.00	5.00	6.00
123	4.50	5.00	6.50
124	5.00	5.00	7.00
125	6.00	5.00	8.00
126	6.50	5.00	8.50
127	0.0*	5.00	3.00
128	0.0*	5.00	4.00
129	0.0*	5.00	5.00
130	0.0*	5.00	6.00

BERGEON BUSHINGS...

- ♦ 92 different sizes
- ♦ Each size packaged 10 per pack
- ♦ Perfect for replacing bushings in assortment and master boxes



Many sizes are available in either **BRASS** or **BRONZE**:
When ordering individual Bergeon bushing packs:

- ♦ Please use "BE-" prefix before the order number if you want **Brass** Bushings
- ♦ Use a "BR-" prefix before the order number if you want **Bronze** bushings

* 0.0* designates a "blank" bushing: not drilled

BRASS BUSHINGS... ♦ 10 bushings per pack

BE-25 to BE-40, BE-59, BE-60 and BE-101 through BE-130: **\$4.75 each** Any 10+ pks.... **\$4.50 each**
Any 25+ pks....**\$4.25 each**

All other Brass packs of 10... **\$3.75 pack**
Any 10+ pks.... **\$3.50 each** Any 25+ pks....**\$3.25 each**

Please note: Our suppliers no longer offer packs of 100 bushings

BRONZE BUSHINGS...

Harder and last longer than brass

- ♦ Available only in sizes 00 to 60
- ♦ 10 bushings per pack

#BR-00 to #BR-16	.....	\$4.75
#BR-17 to #BR-20	.....	\$4.00
#BR-21 to #BR-26	.....	\$4.75
#BR-27 to #BR-28	.....	\$8.50
#BR-29 to #BR-30	.....	\$11.00
#BR-31 to #BR-46	.....	\$4.25
#BR-47 to #BR-52	.....	\$4.25
#BR-53 to #BR-58	.....	\$4.75
#BR-59 to #BR-60	.....	\$10.50

160... Repair Supplies/Tools-Bergeon



BERGEON REAMERS AND CHAMFERING

TOOLS... Available individually to replace worn or damaged tools, or to add high quality Bergeon tools to your existing set

- #P-894.1.2 1.20 mm dia.\$19.50
- #P-894.1.97 1.97 mm dia.\$19.50
- #P-894.2.47 2.47 mm dia.\$19.50
- #P-894.2.97 2.97 mm dia.\$19.50
- #P-894.3.47 3.47 mm dia.\$19.50
- #P-894.3.97 3.97 mm dia.\$29.50
- #P-894.4.47 4.47 mm dia.\$19.50

- #P-894.4.97 4.97 mm dia.\$28.50
- #P-894.5.47 5.47 mm dia.\$19.50
- #P-894.5.97 5.97 mm dia.\$29.50
- #P-894.6.47 6.47 mm dia.\$19.50
- #P-894.6.97 6.97 mm dia.\$29.50
- #P-894.7.47 7.47 mm dia.\$19.50
- #P-894.7.97 7.97 mm dia.\$29.00
- #P-894.8.47 8.47 mm dia.\$19.50
- #P-894.4
4.0 mm chamfering tool\$20.50
- #P-894.10
10.0 mm chamfering tool\$25.50

#P-1609... Hand Tool

♦ Hand bush with Bergeon products using this handle and our #P-894 Bergeon reamers\$11.50

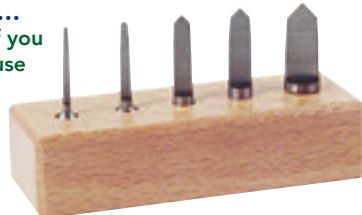


KWM-SIZED REAMERS by Bergeon...

For use with the Bergeon Bushing System: If you have a Bergeon Bushing Tool and prefer to use KWM-sized bushings, these reamers will do the job!

- #P-1296.1.78 ... 1.78 mm reamer
- #P-1296.2.68 ... 2.68 mm reamer
- #P-1296.4.66 ... 4.66 mm reamer
- #P-1296.5.85 ... 5.85 mm reamer
- #P-1296.8.64 ... 8.64 mm reamer

Your Choice... \$35.00 each



Also available as a set...

BERGEON KWM-SIZED REAMER SET

♦ Includes one each of the reamers in the #P-1296 Series plus a wood stand

#P-932... \$175.00



BERGEON PIVOT CUTTERS Available in five sizes...

- #P-1822A... 2.20 mm cutter dia. x .40 mm pivot dia.\$40.00
- #P-1822B... 3.00 mm cutter dia. x .70 mm pivot dia.\$40.00
- #P-1822C... 5.00 mm cutter dia. x 1.50 mm pivot dia.\$40.00
- #P-1822D... 6.00 mm cutter dia. x 3.00 mm pivot dia.\$40.00
- #P-1822E... 9.00 mm cutter dia. x 5.00 mm pivot dia.\$45.00

BERGEON® CENTERING BIT

#P-1823...\$13.50



BERGEON FACTORY REPLACEMENT CENTERSHAFT

♦ Complete with handle
#P-1295...\$89.00



BERGEON-TO-KWM BUSHING ADAPTOR

♦ Use this tool with your Bergeon bushing machine to use KWM bushings
#P-1608... \$8.00



Repair Supplies/Tools ...161

SCREW-IN CLOCK BUSHING TOOL...

A unique system for replacing bushings without the disassembly of your movement. The unique clamp-on jig allows you to perfectly align and install bushings consistently without time-costly disassembly.



- ♦ Clamp the adjustable jig to your movement, then locate the correct bushing site with your centering punch
- ♦ Lubricate the guide hole and attach the handle to the cutter with a twisting motion. Then, cut a disk from the plate surrounding the bad bushing.
- ♦ Tap the hole and, after selecting the correct bushing, screw it into place
- ♦ Complete with an 80 pc. bushing assortment in pivot diameters from .70 to 2.00mm in various thicknesses from 1.8 to 3.00 mm
- ♦ Complete set includes a clamp-on jig, hollow cutter, handle, centering punch, bushing holder, chamfering tool, key and tap

#P-1506...

Screw-In Bushing Tool with an 80 piece bushing assortment ... \$315.00 set

#P-1506N... Screw-In Bushing Tool with a 160 piece bushing asst. ... \$399.00 set

#P-1506T... Screw-In Bushing Tool only ...\$235.00

Components available individually:

#P-1507A... Placing Tool ...\$28.75

#P-1507B... Cutter ...\$24.75

#P-1507C... Clamp-on Bushing Fixture ...\$136.00

#P-1507D... Screwdriver Adaptor ...\$12.75

#P-1507E... Centering Tool ...\$14.50

#P-1507G... Chamfer ...\$17.50

#P-1507H... Tap ...\$25.75

10 PC.THREADED BUSHING REFILLS...

10 identical threaded bushings in the following sizes:

Order #:	Diameter:	Thickness:	Inside dia. for pivot:
#SB1...	5-----	1.8 -----	.70 mm
#SB2...	5-----	1.8 -----	.80 mm
#SB3...	5-----	1.8 -----	.90 mm
#SB4...	5-----	1.8 -----	1.00 mm
#SB5...	5-----	1.8 -----	1.25 mm
#SB6...	5-----	1.8 -----	1.50 mm
#SB7...	5-----	1.8 -----	1.75 mm
#SB8...	5-----	1.8 -----	2.00 mm
#SB9...	5-----	3.0-----	.70 mm
#SB10...	5-----	3.0-----	.90 mm
#SB11...	5-----	3.0-----	1.00 mm
#SB12...	5-----	3.0-----	1.25 mm
#SB13...	5-----	3.0-----	1.50 mm
#SB14...	5-----	3.0-----	1.75 mm
#SB15...	5-----	3.0-----	2.00 mm

Your choice... \$14.50 Pack of 10



Brass Screw-In Clock Bushing Assortments...

Assortments now available for refills!

- ♦ Assortments of brass screw-in bushings in pivot diameters from .70 to 2.00 mm, thicknesses from 1.8 to 3.00 mm
- ♦ Choose from an 80 or 160 piece assortment

#P-1507M... 80 piece assortment ...\$105.00

#P-1507N... 160 piece assortment

... \$215.00

162...Quantrex® Ultrasonics



Built-in quality sets L&R apart from the competition!

- ♦ **All metal construction...** Made with a stainless steel tank and a vinyl clad steel housing
- ♦ **10 year Warranty...** on the epoxy bonding which secures the crystal to the tank
- ♦ **Noise suppression filters...** which exceed FCC limits
- ♦ **Half Line Circuitry...** for superior cleaning
- ♦ **Welded Steel Drain...** No connections within the housing, hoses, or fittings to work loose or disintegrate



Model #Q310...

Large capacity: a virtual dynamo of cleaning energy! \$1019.00



Model #Q360...

Our most popular cleaner for the clock repair industry! Incorporates the added depth required to totally immerse larger plated movements! #Q360... \$999.00 #Q360-H... \$1050.00

HIGH QUALITY STAINLESS STEEL PANS...

For L&R Ultrasonic Cleaning Machines

- #P-1444 Pan for L&R #Q90 Ultrasonic Cleaners ...\$51.00
- #P-1445 Pan for L&R #Q140 Ultrasonic Cleaners ...\$79.00
- #P-1446 Pan for L&R #Q210 Ultrasonic Cleaners ...\$99.00
- #P-1447 Pan for L&R #Q280 & #Q360 Ultrasonic Cleaners ...\$120.00



HIGH QUALITY STAINLESS STEEL TANK/PAN COVER...

For L&R Ultrasonic Cleaning Machines

- #P-1448 Lid for L&R #Q90 Ultrasonic Cleaners ...\$21.50
- #P-1450 Lid for L&R #Q210 Ultrasonic Cleaners ...\$51.00
- #P-1451 Lid for L&R #Q280 & #Q360 Ultrasonic Cleaners ...\$59.00



- #P-1449 Lid: Plastic Lid for L&R #Q140 Ultrasonic Cleaners: ...\$28.00



HIGH QUALITY STAINLESS STEEL BASKETS...

For L&R Ultrasonic Cleaning Machines

- #P-1452 Basket: for L&R #Q90 Ultrasonic Cleaners ...\$75.00
- #P-1453 Basket: for L&R #Q140 Ultrasonic Cleaners ...\$69.00
- #P-1454 Basket: for L&R #Q210 Ultrasonic Cleaners ...\$115.00
- #P-1455 Basket: for L&R #Q280 Ultrasonic Cleaners ...\$139.00
- #P-1456 Basket: for L&R #Q310 Ultrasonic Cleaners ...\$159.00
- #P-1457 Basket: for L&R #Q360 Ultrasonic Cleaners: ...\$119.00



Quantrex® Ultrasonics...163



Model #Q210...
with the power and output
to complete high production jobs with ease!
#Q210... \$709.00 #Q210-H... \$759.00



Model #Q140H...
Intermediate size
cleaning
system: handles
volume
cleanings quietly
and efficiently!
\$449.00



Model #Q90H...
Ideal for small parts
and jewelry!
\$299.00



	Q90-H	Q140-H	Q210	Q210-H	Q310	Q360	Q360-H
Peak Output	160 watts	270 watts	400 watts	400 watts	850 watts	720 watts	720 watts
Capacity	2.0 qts.	3-3/8 qts.	6.0 qts.	6.0 qts.	13.0 qts.	14.4 qts.	14.4 qts.
Tank length x width x depth	5-7/8" l. 5-3/8" w. 4" d.	9-3/8" l. 5-3/8" w. 4" d.	11-3/4" l. 6" w. 6" d.	11-3/4" l. 6" w. 6" d.	15-1/2" l. 9" w. 6" d.	11-1/2" l. 9-1/4" w. 8" d.	11-1/2" l. 9-1/4" w. 8" d.
Heater	Yes	Yes	No	Yes	No	No	Yes
Built-in Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fan Cooling	No	No	No	No	Yes	Yes	Yes
Drain Hose Multidirectional w/ Stop Clamp	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lid	Stainless	Plastic	Stainless	Stainless	Stainless	Stainless	Stainless

STAINLESS STEEL UNIVERSAL PARTS CLEANING BASKETS



#P-1762...
♦ 4" x 5"
♦ Coarse mesh
...\$14.75 ea.



#P-1764...
♦ 2-7/8" x 4-1/2"
♦ Coarse mesh
...\$14.75 ea.



#P-1763...
♦ 4" x 5" with fine mesh...\$14.75 ea.



#P-1765...
♦ 2-7/8" x 4-1/2" with extra fine mesh ...\$14.75 ea.

PARTS BASKETS...contain and clean small parts or jewelry during your cleaning or rinsing process! ♦ Simply squeeze the handle to open the powerful spring handle

SMALL PARTS BASKET...

♦ 1-3/8" diameter steel mesh ♦ 6" overall length
#P-973... \$4.25



LARGE PARTS BASKET... ♦ 6-1/2" overall length

♦ 2-1/16" x 2-1/16" diameter stainless steel mesh
#P-1792... \$6.00



164...Repair Supplies



L&R FACTORY REPLACEMENT DRAIN PLUG

♦ Made by L&R for Models Q280, Q310 AND Q360 #P-1872... \$5.00



HIGHEST QUALITY GERMAN TECHNOLOGY...

ELMA® SONIC E120H CLEANING MACHINE

A top-of-the-line cleaner for clocks that takes advantage of the latest in German technology

- ♦ Each unit is constructed of stainless steel with heavy duty, 35kHz industrial transducers
- ♦ The 3-1/4 gallon capacity tank (12" x 9-1/2" x 8") is perfect for clock work
- ♦ Built-in heater with on/off switch
- ♦ Timer #P-1437... \$899.00



L & R DRYER A safe and efficient way to dry work after ultrasonic cleaning!

- ♦ Compact for counter or bench work: 10" long x 6" wide x 4-1/8" high
- ♦ No installation - just plug it in and turn it on!
- ♦ Convenient push-type on/off switch
- ♦ Easy to clean vinyl finish #P-1443... \$275.00

ELLANAR JEWELRY CLEANER CONCENTRATE

A premium quality cleaner for brilliant and sparkling jewelry: cleans gold, diamonds, precious stones and metals!

- ♦ Mix using a 1 to 7 cleaner to water ratio:
One gallon of concentrate makes eight gallons of solution!
- ♦ Ammoniated and designed for the removal of oils, cosmetics, rouge, tripoli and other buffing compounds
- ♦ Biodegradable: contains no phosphates
- ♦ Optimally effective when used with an ultrasonic cleaning machine
- ♦ Not recommended for use on pearls, opals, turquoise, oral stones, rhodium plated silver and painted surfaces

#P-1867... Gallon...\$33.00

4+... \$32.00 gal.



POLYCHEM® DEOX-007 NONAMMONIATED CLEANING CONCENTRATE... A mildly alkaline blend for the efficient removal of oils, grease, tarnish, stains, corrosion, and oxidation from brass, bronze, copper, gold and silver!

- ♦ Can be safely used in ultrasonics, agitated tanks or manually
- ♦ Provides long term protection from tarnish, corrosion, and oxidation ♦ No strong odor ♦ Nonhazardous
- ♦ Removes tarnishes and brightens metal parts
- ♦ Use with water in a 7:1 water/concentrate ratio

#P-1513 ... \$27.50 gallon 6+ gallons ...\$24.50 gal.

POLYCHEM® POLYTECH 2CB RINSE... Ready-to-use, mildly alkaline, anti-tarnish treatment and corrosion inhibiting rinse for brass, copper, and bronze parts: imparts a transparent, protective film which bonds to the metal surface providing long term protection.

- ♦ After cleaning/rinse parts with water, and immerse them in PolyTech 2CB for 30 seconds. For long term protection, rinse and air dry following treatment.

Lacquer may then be applied if desired. #P-1514 ...\$26.50 gal. 6+ gal. ...\$23.50 gal.



Repair Supplies...165



HIGH QUALITY L&R WATCH AND CLOCK RINSING SOLUTIONS...

CLOCK CLEANING CONCENTRATE...

One pint makes a gallon of ammoniated, waterbase cleaner.

♦ Non-flammable

#P-599...Gallon...\$49.00

NO. 3 WATCH RINSE SOLUTION... A specifically refined petroleum distillate which leaves no oily film: non-toxic, quick drying, non-explosive. Can be used for both watches and clocks. #P-297...Gallon...\$39.00

CLOCK LUBE... A complete clock rinsing and lubricating solution

#P-601... Gallon...\$55.00

ULTRASONIC WATCH RINSE SOLUTION... An excellent rinse for watches or clocks

#P-603...Gallon...\$40.00

ULTRASONIC INSTRUMENT RINSING SOLUTION... Specially formulated for use with L & R cleaning systems and solutions. It dries rapidly without spotting or streaking. It should not be used with plastic parts. #P-919...Gallon...\$45.00

ULTRASONIC WATERLESS AMMONIATED WATCH CLEANING SOLUTION #111...

For use with L & R rinses, this solution was especially formulated for L & R Ultrasonic cleaning machines #P-293...Gallon...\$43.00

L&R EXTRA FINE WATCH CLEANING SOLUTION

(L&R discontinued their NoFome Waterless Watch Cleaning Solution. This new L&R Extra Fine Watch Cleaning Solution has proven to be a more than acceptable substitute!)

♦ Works aggressively: requires 25% less time than comparable cleaning solutions

♦ Ammoniated

#P-2019... \$41.00 gallon



WATERLESS ULTRASONIC INSTRUMENT CLEANING SOLUTION #112...

An ammoniated cleaner designed to clean all types of precision parts: ferrous or non-ferrous, adding lustre

#P-584...Gallon...\$50.00

WATERLESS ULTRASONIC INSTRUMENT CLEANING SOLUTION #222...

A non-ammoniated cleaner which produces brilliant effects. Lasts longer than ammoniated types.

#P-597...Gallon...\$54.00

ULTRASONIC CLOCK CLEANING SOLUTION #677...

A waterless, non-ammoniated clock cleaning solution

#P-600...Gallon...\$43.00

ULTRASONIC NON-AMMONIATED WATCH CLEANING SOLUTION #566

Lasts longer and imparts a brilliant finish...No ammonia!

#P-602...Gallon...\$44.00

POWER NOFOME INSTRUMENT CLEANING SOLUTION...

Dissolves gummed oil and grease on the most minute instrument parts.

It's specially formulated for mechanical cleaning using ammoniated soap with auxiliary soaps. Contains no chlorinated solvents. #P-918...Gallon...\$49.00

Buy in case lots (4 gal. each) and deduct \$1.00 per gallon!

"ASTRO CLEAN" AMMONIATED CLOCK CLEANING CONCENTRATE...

A professional quality, ammoniated, waterbase concentrate: one pint makes a gallon of fast acting, ultrasonic cleaner!

♦ Cleans quickly and thoroughly in any brand of ultrasonic!

#P-1567... \$37.00 Gallon

4+ gallons... \$35.00 gal.



166...Repair Supplies

ZENITH® WATCH & CLOCK ULTRASONIC CLEANING CONCENTRATE

- ♦ For use with ultrasonic or mechanical cleaning machines
- ♦ Will not dissolve shellac, varnish or lacquer when mixed and used as directed: 1:7 concentrate/water ratio.

One gallon of concentrate makes 8 gallons of solution.

- ♦ 3-5 minute cleaning in an ultrasonic
 - ♦ Cleans metal parts and restores them to their original sheen
- P-1966A... Formula #251 ♦ Ammoniated \$43.00 gal.
#P-1966... Formula #251NA ♦ Non-Ammoniated \$43.00 gal.



ZENITH® FORMULA 67 WATERLESS ULTRASONIC CLEANING FLUID... For watches and clocks.

- ♦ Non-ammoniated, low odor
 - ♦ Non-reactive with metal watch and clock parts
 - ♦ Cleans metal parts and restores them to their original sheen
- #P-1957... \$39.00 gal.

ZENITH® WATERLESS 224 ULTRASONIC RINSING FLUID... for watches and clocks.

- ♦ Odorless ♦ Non-reactive with metal watch and clock parts
 - ♦ When used properly, leaves no tackiness or film on movement parts
- #P-1958... \$39.00 gal.

ZENITH® DRIZEBRITE... "The Ultimate final rinse!"

- ♦ Designed to leave watch & clock parts spotless: no any oily film!
 - ♦ Odorless ♦ Meets all watch and clockmakers requirements
- #P-2026... \$41.00 gal.

ZENITH® "RADIANT": PRODUCT NO. 777

A high performance cleaning solution which cleans and shines watch and clock movements simultaneously!

- ♦ A superior cleaner formulated by Zenith chemists to restore parts to their original lustre, especially movements manufactured from 1860 to the present that have not been serviced for a long time!
 - ♦ "Radiant" is formulated to clean and shine movements that contain alloys of beryllium, nickel, copper and zinc with extraordinary results
 - ♦ Long lasting: can be used repeatedly: more than all other solutions
 - ♦ A high end, low odor, solvent-based cleaning solution
 - ♦ Compatible with all Zenith rinse solutions
- #P-2126... \$49.00 gal.

**Save: Buy in case lots (4 gal. each) and deduct
\$1.00 per gallon!**

ZENITH® HAIRSPRING CLEANER

Formulated to clean delicate hairsprings perfectly and then dry quickly without an oily film

- ♦ Noncarcinogenic
 - ♦ Non-Chlorinated or Brominated
- #P2027... 250 ml bottle ...\$18.00



"DIP-AWAY" DEGREASER HAIRSPRING CLEANER AND RINSE... Cleans rapidly, safely and effectively

- ♦ For gummed and dirty hairspring jewels and pallet stones
 - ♦ Non-inflammable
- #P-529D... 16 oz. can (Pint) ...\$19.75

Repair Supplies...167

"ONE-DIP" HAIRSPRING CLEANER & RINSE

Formulated for use as a cleaner and rinse for gummed and dirty hairsprings, jewels and pallet stones.

- ◆ Cleans quickly, efficiently and safely ◆ Protects as it cleans!

#P-2181... 8 oz. bottle... **\$15.75**

#P-2182... 32 oz. can... **\$43.50**



Evapo-Rust® RUST REMOVER...

Removing rust has never been easier! *Evapo-Rust® is a water-based solution, non-corrosive to steel. It does not harm brass, copper, aluminum, gold, lead, titanium, steel, cast iron, chrome, solder, vinyl, plastic, rubber, silicone, glass, cork or wood.*

Evapo-Rust®...can be used over and over until it absolutely stops working.

One gallon de-rusts up to 300 pounds of light to moderately rusted steel

- ◆ Not an eye/skin irritant, non-toxic orally or dermally, non-corrosive, non-flammable, non-acidic, and non-caustic
- ◆ Biodegradable with NO solvents, NO VOC's or HAP's

Evapo-Rust® is easy to use:

- 1) Fully immerse the rusted item and check progress in 30 minutes.

(Soak times vary from 30 minutes to 24 hours depending on the severity of rust, type of steel and temperature)

- 2) Wash and rinse: Paint or another coating may be used for long term rust protection.

- ◆ Used by the U.S. military, F.B.I. and NATO as a rust remover! #P-2109... 1 gal. **\$39.95**



SILBO® GOLD BATH *Place your gold jewelry in the container's built-in basket and then rinse!*

- ◆ Contains 150 ml (5.07 oz.) of cleaner ◆ Fast: cleans in 4 to 8 minutes
- ◆ For use with gold jewelry only: not suitable for other metals, pearls, corals and soft jewels
- ◆ Simply place your gold jewelry in the basket, soak, rinse thoroughly with water, then wipe dry with a soft cloth
- ◆ Made in Germany since 1938! #P-2144... **\$7.50**



SILBO® SILVER & GOLD CLEANING FOAM

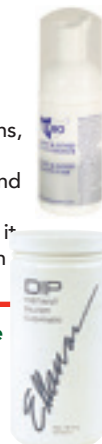
The modern way to clean and care for gold and silver items with ease!

- ◆ The special micro-foam formula penetrates small spaces to clean fine chains, mounts, even those tiny spaces around gems
- ◆ For use with gold and silver: not suitable for other metals, pearls, corals and soft jewels
- ◆ Apply a small, but even amount of the Silbo® Foam on your jewelry. Allow it to work for 3-4 minutes, rinse well with running water, dry with a soft cloth
- ◆ Contains 100 ml (3.38 oz.) of cleaner #P-2145... **\$11.00**



ELLANAR® DIP... *Removes tarnish from the finest sterling or silverplate in seconds* ◆ No rubbing necessary ◆ Dip, rinse, dry...Admire!!!

#P-528...16 oz. bottle...**\$5.50** #P-528C...Case of 12 bottles...**\$57.00**



The Original NEVR-DULL "MAGIC" WADDING POLISH... *Restores lustre to all metals!*

- ◆ 5 oz. can of the popular, easy-to-use cotton wadding polish that works miracles on tarnished metal surfaces

#P-84... 5 oz. can...**\$6.25** #P-84C...Case of 12 cans...**\$70.00**



SHINO POLISHING CLOTH...for silver, gold, copper, brass & nickel! *Two cloths in one...* ◆ Red inner cloth polishes with rouge

- ◆ Outer cloth buffs to a high lustre #P-269... **\$4.00 ea.** 12 for **\$42.00**



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"THE FINEST ALL-METAL POLISH IN THE WORLD"...

SIMICHROME POLISH... A soft paste polish for chrome, silver, brass... virtually any metal

- ♦ Quickly cleans and polishes to brilliant shine and leaves a protective film
- ♦ A solid, dependable favorite for antiques, brass clock parts, home and auto uses

#P-1069C... 250 gram can ...\$38.00 ea. 6 cans... \$36.00 ea.

#P-1069T... 50 gram tube ...\$10.75 ea. 3+ tubes... \$10.00 ea.



DIAMANTINE POLISHING POWDER... 15 gram containers of high quality Bergeon® Diamantine (Aluminum Dioxide) Powder: a traditional clock and watchmaker's favorite for polishing steel pivots!

Choose from three grain sizes:

#P-1729E... Extra fine grains #P-1729M... Semi-coarse grains

#P-1729R... Coarse grains Your Choice: \$9.25 each Any 3+... \$8.75 ea.



"CRYSTAL-KLEER" BUFFING COMPOUND

for renewing clear plastics

- ♦ Specially formulated to remove scuffs and scratches
- ♦ Buffs out imperfections and polishes making old crystals and plastics like new again
- ♦ 5 oz. bar (5" x 1" x 1") #P-2183... \$9.00



SPECIAL FORMULA FABULUSTRE... Provides a high lustre finish on all types of precious and decorative metals

- ♦ Removes light scratches ♦ Produces a fast, mirror bright final finish
- ♦ Greaseless: dry, but not dusty ♦ Fast easy cleanup with little or no residue
- ♦ 1/4 lb. tube #P-844...\$5.00 3+...\$4.50 ea.



XXG-TYPE ROYAL VELVET

RED ROUGE... No better compound exists for producing a finer finish on gold or silver. #P-845...1/2 lb. stick...\$4.00

PEEL-BACK COMPOUND SET... For buffing metals with a wheel polisher: Eliminate mess and broken bars...

Assortment of five 1/2 lb. tubes:

- ♦ RED ROUGE...for final color lustre on soft metals
- ♦ YELLOW ROUGE...for hard metals
- ♦ TRIPOLI... a fine abrasive; readies metals for final polish with rouge
- ♦ Plastic Compound...for hard plastics only
- ♦ Emery...for removing scratches on ferrous metals

#P-846... \$16.25 assortment



MUSLIN WHEEL BUFFS...

For use with abrasive compounds.

Each buff has a shellac hardened center.

#P-848... 4" dia., 3 rows, 42 ply ...\$2.75 each

#P-849... 6" dia., 4 rows, 50 ply ...\$5.00 each

#P-850... 8" dia., 4 rows, 55 ply ...\$9.00 each



TAPERED SPINDLES FOR STRAIGHT SHAFTS

- ♦ Designed to fit any straight shaft motor
- ♦ Easily mounted and secured with set screws

#P-842R... 3/8" right

#P-843R... 1/2" right

#P-842L... 3/8" left

#P-843L... 1/2" left

YOUR CHOICE... \$16.50 each



Repair Supplies...169



JAX® MASTER METAL FINISHING SOLUTIONS...

Produce authentic looking effects with consistently realistic results on a variety of metals.

Simply...♦ **APPLY** ♦ **RINSE** ♦ **ALLOW TO DRY**

♦ 16 oz. bottles

JAX® GREEN PATINA: Antique green for use on copper, brass and bronze

#P-1188... \$16.50

JAX GOLD FINISH: Use on brass, copper or bronze

#P-1189... \$38.50

JAX® BROWN DARKENER: Use on brass, copper or bronze

#P-1190... \$16.50

JAX® BLACK DARKENER: Use on brass, copper or bronze

#P-1191... \$16.50

JAX® PEWTER DARKENER: Use on brass, copper, bronze, lead, nickel, tin/lead alloys and solder

#P-1192... \$16.50

JAX® IRON, STEEL, NICKEL BLACKENER: Produces an antique metallic black finish in seconds

#P-1193... \$16.50

JAX® Rust Remover: Removes rust from iron and steel and can be used as an effective pre-paint primer

♦ May be applied by brushing or immersing

♦ Non-flammable

#P-1961... \$16.50

JAX® COPPER & SILVER PLATING SOLUTIONS...

Immediately plates copper or silver onto iron, steel, brass and solder.

♦ Requires no heat or electricity ♦ May be applied by brushing or immersing

♦ Non-flammable

#P-1962... Copper Plate Solution... 16 oz. bottle ...\$16.50

#P-1963... Silver Plate Solution... 4 oz. bottle ...\$25.50



DIAL RESILVERING KIT for silvered brass dials...

Contains genuine silver in a nontoxic mixture

♦ This kit allows you to achieve professional results: just follow the directions included with the kit!

#P-1384... \$55.00

HOWARD PINE-OLA® METAL POLISHES

Instant action!... Amazingly fast and easy to use! Quickly cleans and polishes brass & copper or silver, without using acids or harsh abrasives

♦ Special Pine Oil blend retards tarnish for a long lasting shine

#P-2047A...Copper & Brass Polish ♦ 1/2 pint bottle (8 fl. oz.) ...\$5.25

#P-2047B... Copper & Brass Polish 1 pint bottle (16 fl. oz.) ...\$7.50

#P-2046A... Silver Polish 1/2 pint bottle (8 fl. oz.) ...\$5.25

#P-2046B... Silver Polish 1 pint bottle (16 fl. oz.) ...\$7.50

HOWARD



SHELLAC STICK... Just apply heat and fill holes, dents and scratches with this transparent stick. It can also be used to set pallet jewels! ♦ 7" stick

#P-1767... \$25.00 stick



IMPORTED PEGWOOD...

Selected 5-3/4" lengths of orange wood for cleaning pivot holes, plugging holes for screws and other uses ♦ Approximately 20 pieces per bundle

#P-1125A.....2mm dia \$5.50

#P-1125C.....3mm dia \$6.00

#P-1125D..... 4mm dia \$7.50

170...Repair Supplies

HOWARD

WORLD FAMOUS RESTORATION & WOOD CARE PRODUCTS...

Howard Restor-A-Finish®

...Penetrates faded lacquer, shellac or varnish finishes to bring back the original color, blend out white heat rings and water marks. With a simple wipe-on, wipe-off process, many finishes can be restored without the extreme of stripping and refinishing!

♦ Restor-A-Finish® contains a small amount of stain to make scratches and blemishes disappear...NO QUICK FADING DYES! This formula also contains just the right amount of solvent to penetrate finishes without dissolving it: a process that accomplishes much more than temporary scratch cover products.

♦ Restor-A-Finish® is the only product on the market which can penetrate and restore a wood finish without removing any of the existing finish. ♦ 1 Pint (16 fl. oz. cans)

#P-2042A... Mahogany

#P-2042B... Walnut

#P-2042C... Cherry

#P-2042D... Golden Oak

#P-2042E... Neutral

#P-2042F... Maple/Pine

#P-2042G... Dark Walnut

#P-2042H... Dark Oak

YOUR CHOICE... \$8.95 can



Howard Orange Oil® Furniture Polish

Clean or polish without drying the wood... Safe for unfinished or oiled woods!

♦ Uses the cleaning power of real orange oil to gently clean and polish

♦ Formulated with natural "orange essence oil" from the rind of the orange. Its natural cleaning power replaces the need for harsh chemicals!

♦ Safe for wood clock finishes, antiques and unfinished woods... even oiled wood like teak

♦ Enhances the depth, tone and natural beauty of wood grain, while preventing drying and cracking ♦ Contains no silicone or linseed oil

#P-2045A... 1/2 pint spray bottle (8 fl. oz.) ...\$6.50

#P-2045B... 1 pint spray bottle (16 fl. oz.) ...\$9.25



Howard Citrus-Shield® Premium Natural & Color Paste Wax ♦ 11oz. cans

Finished Woods: Excellent for sealing and protecting finishes on clocks, antiques, furniture, paneling and floors!

♦ Enhances the natural beauty of wood grain ♦ Buffs to a brilliant, long-lasting shine

Unfinished Woods: For primitive pine, oak and other unfinished woods

♦ Colors can be rubbed evenly into the wood, toning and highlighting wood grain, while leaving a long-lasting shine

#P-2044A... Clear

#P-2044B... Golden Oak

#P-2044C... Walnut

#P-2044D... Mahogany

#P-2044E... Dark Oak

Your choice \$13.75



Howard Feed-N-Wax® Wood Preserver

An original blend of beeswax, carnauba wax and orange oil forms the perfect finish to enhance wood beauty on all woods, finished and unfinished. The perfect follow-up to Howard Restor-A-Finish® !

♦ Finished wood: Adds protection and shine. Ideal for protecting cabinets from moisture!

♦ Unfinished wood: penetrates and replaces natural oils

♦ Contains no silicone or linseed oil ♦ 1 Pint (16 fl. oz. bottle)

#P-2043... \$8.25



Repair Supplies...171

Wood and Metal Restoration Products from NEW LIFE®



New Life® Metal Polishes

One of the most effective metal polishes we've seen in years: formulated to clean and polish metal items throughout your shop and house

- ◆ Formulated with cleansers and polishing ingredients that work quickly and gently
- ◆ Brings out metal tones and sheens
- ◆ 8 fluid ounce bottles

#P-1806... Brass & Copper Cleaner and Polish

- ◆ Cleans dirt and oxidation from brass and copper surfaces

...\$13.00 each 3+...\$12.00 each

#P-1807... Silver & Gold Polish ◆ Also works well on pewter!

- ◆ Cleans, polishes and retards oxidation on silver

...\$13.00 each 3+...\$12.00 ea.



New Life® Cream Polish... To enhance the beauty of HIGH GLOSS FINISHES! Use on PIANOS, MARBLE, PAINTED CABINETS...

Can even be used on Formica, leathers and vinyl!

- ◆ Eliminates fingerprinting ◆ Leaves no wax buildup or residue
- ◆ Polishes and protects
- ◆ Imparts a lustrous, protective coat
- ◆ 8 fluid ounce bottle #P-1803... \$9.25 3+...\$8.75

New Life® Tung Oil Sealer & Finish

A hard drying, hand rubbed oil finish for stripped or sanded wood surfaces such as furniture and floors as well as unglazed tile and slate

- ◆ Creates one of the most beautiful finishes known to man!
- ◆ Hard, lifetime finish is impervious to heat, alcohol and water
- ◆ Use New Life Tung Oil when you want the very best protection coupled with beauty! ◆ 8 fluid ounce bottle

#P-1805... \$9.25 3+...\$8.75



New Life® Wood Moisturizer

For antiques and fine furniture: cleans, moisturizes, polishes and restores natural beauty with nature's own oils! Puts life and color into wood pieces...

- ◆ Contains super refined beeswax, natural oils and mineral spirits:

NO HARMFUL SILICONES!

- ◆ Leaves no oily residue or wax buildup ◆ Pleasing orange aroma
- ◆ Feeds and protects dry wood ◆ 8 fluid ounce bottle

#P-1802... \$9.25 3+...\$8.75

New Life® Furniture Masque

Cleans and removes water rings and grime from wood furniture. An excellent cleaner for marble, tile, painted surfaces... liquifies mildew and dirt with gentle action!

- ◆ Simply cleans dirty old furniture easily!
- ◆ Follow cleanup with an application of New Life Moisturizer or New Life Cream Polish
- ◆ Works on hard surfaces, varnished leather and vinyl ◆ 16 fluid ounce bottle

#P-1804... \$17.75 3+...\$16.75



172...Repair Supplies



♦ **METALS:** Kotton Klenser cleans, removes dirt and tarnish from most metals

♦ **WOOD:** Kotton Klenser products clean, feed finishes, and cover surfaces with a protective, non-oily/non-sticky film. They remove water marks, heat rings, ink stains, wax, and dirt build-up.

Now anyone can clean and restore wood finishes and metals easily and economically ...Kotton Klenser products are essential materials if you are a collector, hobbyist, and love working with wood and metal items. They clean and preserve with a minimum of drudgery.

#P-1265... Regular Cleaner: for all wood finishes, paneling, formica, ceramic and plastic tile, vinyl, leather, marble, and painted surfaces

- ♦ Non-abrasive ♦ Non-toxic ♦ Non-flammable ♦ Biodegradable
- ♦ 16 fl.oz. container

#P-1266... Heavy Duty Metal Cleaner: for all metals: copper, brass, chrome, pewter, tin, aluminum, stainless steel, and nickel alloys...it even cleans marble!

- ♦ Will not remove varnish or lacquer ♦ Contains ammonia ♦ Non-abrasive
- ♦ Non-flammable ♦ Biodegradable ♦ 16 fl.oz. container

#P-1267... Protective Wood Feeder: A combination of fine oils and conditioners for dried and damaged finishes on wood surfaces. It is amazing in its powers to revitalize finishes which appear to be in poor condition

- ♦ NOT for raw wood surfaces: apply to finished surfaces only! ♦ 8 fl.oz. container

#P-1268... Lemon Oil/Beeswax Polish for Wood and Metals:

An application of Lemon Oil/Beeswax Polish leaves a protective film on wood that retards water and finger marking. On metals, this polish leaves a durable finish that is resistant to water, alcohol, acid, and dirt.

- ♦ Retards tarnishing ♦ Does not leave an oily residue or film ♦ 10 fl.oz. container

Your Choice: Any Kotton Klenser Product ...\$7.50

\$ave ... Any 12 containers ... \$6.75 each



STAY-BRITE SILVER SOLDER...

- ♦ Low temp. with 5 times the strength of ordinary solder
- ♦ For all metals
- ♦ Use with iron or torch
- ♦ Flux included

#P-198... \$12.50



STAY-CLEAN SOLDER FLUX...

- ♦ Unexcelled for use on brass, stainless steel, copper, chrome, galvanized and similar metals

#P-920... 4 fl. oz. ...\$7.75

TIX SOLDER...

Known as the hardest solder on Earth, TIX has a holding power of 4300 pounds per square inch

- ♦ Twenty 3" sticks
- #P-741... \$17.00 pk.**



TIX FLUX...

Specially formulated for Tix solder, but works great with any solder

#P-742...

\$5.00 bottle



GOLD/SILVER TEST KIT

Complete with the necessities required to analyze and determine the purity of your gold (10k to 22K) and silver.

Each set includes:

- ♦ Gold/Silver Test Needles...10k, 14k, 18k, & .999 Silver
- ♦ 10k Gold Test Solution... 1/2 fl. oz.
- ♦ 14k Gold Test Solution... 1/2 fl. oz.
- ♦ 18k Gold Test Solution... 1/2 fl. oz.
- ♦ 22k Gold Test Solution... 1/2 fl. oz.
- ♦ Silver Test Solution...1/2 fl. oz.
- ♦ Platinum Test Solution...1/2 fl. oz.
- ♦ Direction/Information guide
- ♦ Natural Black Test Stone... 2-1/2" x 1-1/2" x 1/4"
- ♦ Unglazed Porcelain Test Tile... 2-3/16" x 2-3/16" x 3/8"



#CO473K... COMPLETE TEST KIT... \$78.50

Kit refills/components available individually...

GOLD TEST SOLUTION REFILLS:

1/2 fl. ounce bottles of solution to test for 10K, 14K, 18K or 22K gold.

#CO473A..... 10K\$3.50

#CO473B..... 14K\$3.50

#CO473C..... 18K\$3.50

#CO473D..... 22K\$3.50

#CO473S...Four 1/2 fl. oz. Gold Test solutions:

- ♦ One each: 10K, 14K, 18K and 22K ...\$13.00 SET

SILVER TEST SOLUTION

- ♦ 1/2 fl. ounce bottle of solution

#CO473E... \$3.50



PLATINUM TEST SOLUTION

- ♦ 1/2 fl. ounce bottle of solution

#CO473H... \$3.50



NATURAL TEST STONE:

A 2-1/2" x 1-1/2" x 1/4"

natural stone for use with acidic test solutions for precious metals

- ♦ Test metals without damaging your gold, silver or platinum with nasty acid marks
- ♦ Black for best contrast

#CO473F... \$11.50



UNGLAZED PORCELAIN TEST

TILE for gold "rub" testing

- ♦ 2-3/16" x 2-3/16" x 3/8"

#CO473G... \$3.00



GOLD/SILVER TEST NEEDLE

- ♦ A handy key chain type test set with three gold (10k., 14k., 18k.) and .999 Fine Silver tips

#P2108... \$51.25



HIGH QUALITY LACQUER in 12 oz. aerosol cans!

Contains no fluorocarbon propellant

#P-1717... **Clear:** The finest air drying lacquer for the protection of tarnishable metals! ...\$15.00

#P-1718... **Gold Colored:** Creates a simulated 24 kt. gold color when applied to polished or satin finished brass ...\$16.50

CRYSTAL CEMENT... The original cement used in the watch repair industry

- ♦ 9 ml tube with a precision applicator
- ♦ Great for watch crystals, fine screw locking, models, ceramic and plastic repair, plus other shop and home applications.
- ♦ Quick drying

#P-292 ...\$6.75 tube



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POLYWATCH® SCRATCH REMOVER

for Plastic Watch Crystals...Removes unsightly scratches from plastic watch crystals with a minimum of effort!

- ♦ A new type of special-purpose polishing paste which removes scratches rapidly and inexpensively... makes your crystal shine like new
 - ♦ Using a piece of cotton wool, simply apply PolyWatch® to the watch crystal and polish at a right angle to the scratches. The plastic crystal is very slightly dissolved and ground down by tiny abrasive particles. This procedure smoothes the edges of the scratch marks and fills the cracks with some of the original plastic from the crystal.
 - ♦ 5 ml tube contains enough PolyWatch® for approximately ten crystal applications
- #P-1537... 5 ml tube ...\$5.50 3+... ..\$5.00 each**



SILCON 7 SEALANT

A high vacuum, pressure water-proof watch case sealant

- ♦ Allows worn gaskets to maintain maximum water resistance
 - ♦ Will not harden, break down or evaporate with age
 - ♦ Unaffected by temperatures and watch movement lubricants
- #P-2187... SILCON 7 in a fine point PLASTIC SYRINGE APPLICATOR**
 ♦ 6cc (.202 fl.oz.) ...\$11.00
- #P-2186... SILCON 7 VIAL:**
 ♦ 8 grams (.282 oz.) ...\$8.00

SCREW LOOSENING FLUID

Penetrates between threads to break stubborn bonds



- ♦ Just a drop of this specially formulated penetrant effectively loosens stubborn screws by flowing along the threads
 - ♦ Fine point plastic syringe applicator for easy application
- ♦ 6cc (.202 fl.oz.) #P-2185... \$6.00**

KT-22 MICRO-LUBRICANT

For small gear trains in watches, clocks and instruments



- ♦ Protects against moisture, seals plungers and waterproofs screw-back watch cases
 - ♦ Will not run, break down or creep
 - ♦ Fine point plastic syringe applicator for easy application
- ♦ 6cc (.202 fl.oz.) #P-2184... \$8.50**

GREASING PAD

Quickly lubricate "O" rings and gaskets with silicone grease!

- ♦ 8-1/4" overall length
- #P-1757... Only \$3.50**



Excellent synthetic lubricants for all types of clocks and shop and household applications...

MULTIPURPOSE SUPERLUBE® OIL with Syncolon®

For use on larger movements, electric mechanisms, mainsprings and other situations where a slightly heavier oil is required

- ♦ Nontoxic & waterproof
 - ♦ All-temperature: stays put where you want it!
- #P-1603.4... 4 oz. bottle ...\$5.75 #P-1603.8... 8 oz. bottle ...\$8.50**

SUPERLUBE® LIGHTWEIGHT OIL... Perfect for all clock movements!

- ♦ Stays put: won't run or drip!
- ♦ Contains no petroleum

#P-1604.4... 4 ounce bottle ...\$4.75

#P-1604.8... 8 ounce bottle ...\$7.50

SUPERLUBE® CLOCK OILER...

Multipurpose oil also available in a handy pocket oiler

#P-1120... .25 fl.oz. pin point applicator

...\$4.00 6+... \$3.50 each



Repair Supplies ...175

Reduces friction by 75%!... Nano-Oil®

A Horological lubricant utilizing Nano technology

Nano-Oil® contains nanometer-sized spheres that act as tiny ball bearings. Each square millimeter contains 50,000,000 of these tiny particles that are transported in oil. These "nano-bearings" attach to your movement's pivots and brass providing lubrication long after the oil is gone. Friction and wear are dramatically reduced.

- ♦ Can be used even if existing oil from previous oilings remain: the Nano bearings "migrate" to both the pivots and brass
- ♦ Blends with other synthetic and mineral clock oils to improve their quality of lubrication
- ♦ 8cc of Nano-Oil® in a refillable, precision oiler (1-1/4" stainless needle for precision placement of Nano-Oil®)
- ♦ One of the finest new products! ♦ Now used by Hermle® in their movements!

Nano-Oil® 5 weight...

Specially formulated: fast, deep penetration of "sticky", rusty, or oxidized surfaces

- ♦ Loosens and then lubricates! The 5 weight Nano-Oil® has been described as "WD-40 on steroids"!

#P-2098... 5 wgt. Nano-Oil®/Oiler ...\$25.00

Nano-Oil® 10 weight...

All purpose 10 wgt. Nano-Oil® is specially formulated for lasting metal-to-metal contact protection.

- ♦ 10 wgt. Nano-Oil® is recommended for clocks, locks, chains, cables, bearings, sprockets, electric motor bushings plus many other applications where friction is a concern

#P-2099... 10 wgt. Nano-Oil®/Oiler ...\$23.00

QUICKEN® NANOLUBE... A new clock/watch oil with Nano-Diamonds for long lasting, enhanced lubrication qualities!

- ♦ Spherical, synthetic diamonds, NanoDiamonds, act as tiny ball bearings that never wear out. It takes 80,000 NanoDiamonds to span the width of a human hair!
- ♦ Lasts longer: will not break down like standard chemical lubricants because Nano-Diamonds will not break down!
- ♦ Quicken® NanoLube continues to adhere and lubricate surfaces even after the carrier oil has evaporated, reducing friction and preventing wear

#P-2031A... for clocks (2 ml bottle) ...\$31.75

#P-2031B... for watches (1.5 ml bottle) ...\$31.75

#P-2031C... for multi-purpose watches (1.5 ml bottle) ...\$31.75



J.D.WINDLES® CLOCK OIL

- ♦ Specially formulated for all types of clock lubrication
- ♦ Large 4 oz. bottle
#P-451... \$16.00



J.D.WINDLES® TURRET CLOCK OIL

- ♦ Large 4 oz. bottle of oil specially formulated for heavy-duty use with tower clocks and mainsprings

#P-503... \$13.50



NYE® CLOCK OIL #140B... A super refined synthetic clock oil: noncorrosive. Formulated for resistance to temperature changes.

#P-1731... ♦ 2 ounce bottle \$53.50 each

#P-1927... ♦ 1 pint bottle \$139.50 each

NYE® SYNTHETIC WATCH OIL...

Won't evaporate, gum, or become stringy!

- ♦ One treatment gives effective, long lasting lubrication

#P-1627... 2 ounce bottle ...\$42.50

176...Repair Supplies

MOEBIUS® SYNTHETIC ESCAPEMENT OIL ...

Specially formulated for pallets: longer lasting than natural lubricants!

- ♦ Has the same lubricating properties as a natural oil, but will not gum up, cause corrosion, become acidic, creep or spread
- ♦ Excellent to -68°F (-20 °C) ♦ 2 ml (.067 oz.) bottle #P-1629... \$35.50



MOEBIUS® SYNT-A-VISCO LUBE... *A synthetic oil ideal for lubricating slower moving movements, large watch movements, staff pivot/oscillating weights and other automatic watch parts*

- ♦ Excellent to -68°F (-20 °C) ♦ 2 ml bottle (.067 oz.)
- ♦ Has the same lubricating properties as a natural oil, but will not gum up, cause corrosion, become acidic, creep or spread #P-1628... \$35.50



#8040 MOEBIUS® CLOCK OIL... *Ideally suited for larger clocks, but can be used on anything from cuckoos to tower clocks.*

- ♦ 20 ml bottle (.676 oz.) #P-811... \$14.75



#8030 MOEBIUS OIL... *For clocks, music boxes and other movements*

- ♦ 20 ml bottle (.676 oz.) #P-1574...\$16.50



#8200 MOEBIUS® SPECIAL LUBRICANT...

Thicker than oil, but not as thick as grease

- ♦ A high quality mainspring lubricant for clocks, watches and alarm clocks ♦ 20ml bottle (.676 oz.) #P-649... \$20.00



#8300 MOEBIUS® GREASE...*A heavier lubricant for winding movements and mechanisms*

- ♦ 20 ml bottle (.676 oz.) #P-1575... \$20.00



ETSYNTHA® #859... *A high quality synthetic oil with outstanding characteristics even under the most adverse conditions!*

- ♦ Superb stability
- ♦ Compatible with steel, brass and plastic bearing materials
- ♦ Outstanding low-friction values; wear is reduced to a minimum
- ♦ Multiple applications: clocks, counters, printers, alarm clocks, measuring devices, precision gears and ball bearings up to 3/8"
- #P-1089... 3.5 ml bottle ...\$13.75 #P-1090... 20 ml bottle ...\$56.00



ETSYNTHA #859 OILER...

With an extra-long 2-1/8" tip!

- ♦ Allows for easier placing of oil!!!
- ♦ A refillable, pressure sensitive 4 ml oiler filled with high quality Etsyntha #859 oil.



#P-953... \$20.50



POCKET OILERS...

Easy to use and refill! ♦ Filled with a high grade, general purpose clock oil

- ♦ Pressure sensitive body ejects oil where you want it ♦ Pocket clip and oil included
- #P-617... \$1.75 12+...\$1.50 each

WITH AN EXTRA LONG 3-1/4" APPLICATOR...

The long, blunt end needle applicator allows easy, yet accurate, application!



#P-1459L...With Oil \$2.25 ea. 6+...\$1.75 each

#P-1459... Empty so you can fill it with your favorite oil

\$2.00 ea. 6+...\$1.50 each

Repair Supplies...177



CRC® POWER LUBE *A multipurpose lubricant that also prevents corrosion, penetrates, and loosens rusted parts!*

- ♦ **FAST ACTING:** finds and stops squeaks
- ♦ **ODOR FREE** and **NONSTAINING**
- ♦ Safe on most plastics ♦ Displaces moisture
- ♦ **PENETRATES:** cuts through rust and scale to loosen frozen parts
- ♦ **CONCENTRATED:** clings to surfaces to deliver long lasting lubrication and protection
- ♦ Many uses in the shop, garage and home ♦ 9 oz. aerosol can

Please note: POWER LUBE replaces our #P-49 lubricant, which was discontinued by the manufacturer

#P-1892... \$7.25 can 12+...\$6.50 each

KEYSTONE MAINSPRING LUBRICANT...

A superior lubricant for all mainsprings, sliding surfaces, tools and machinery!

- ♦ Formulated not to "creep" or squeeze out under pressure
- ♦ High film strength and outstanding lubricity allows for smooth power flow from your mainspring without rusting or chafing
- ♦ Inhibits rust and oxidation ♦ Displaces moisture ♦ 8 oz. bottle

#P-1735... Medium Weight ...\$9.00 3+... \$8.50 each

#P-1769... Light Weight ...\$9.00 3+... \$8.50 each



E.K.N. MAINSPRING GREASE... *Molecularly bonds to springs: even after its moisture dries, E.K.N. lubricates!*

- ♦ Applicator top ♦ Non-gumming formula ♦ 3 oz. bottle

#P-855... \$5.25 3+...\$4.75 ea.



HEAVY MAINSPRING GREASE...

Our heaviest grease: suitable for clock mainsprings and other special applications

- ♦ Conveniently packaged in a handy bellows-type dispenser

#P-648... \$2.00



ALUMINUM PRECISION OILER

Place oil and other lubricants precisely!

- ♦ Smooth actuator for greater control and accuracy of placement
- ♦ All aluminum construction ♦ Protective screw-on cap incorporates a pocket clip
- ♦ 5-5/8" long ♦ Oil **not** included

#P-2127... \$10.50



SWISS-STYLE DIP OILERS *A set of five oilers with flat steel tips for picking up and depositing oil on touch*

Metal handles are non-roll and color coded for quick identification:

- ♦ **Blue:** fine for bracelet watches
- ♦ **Black:** extra fine for baguette watches
- ♦ **Green:** medium for bracelet watches
- ♦ **Red:** large for pocket watches
- ♦ **Insertor (Gold)** for forcing oil into balance assemblies

#P-1633... \$18.50



3-WELL OIL CUP and LID

- ♦ 2" diameter plastic oil cup with 3 graduated wells

#P-2071...

\$1.25 each



3 PC. DIP OILER SET

- ♦ Economical set of 3 oilers with flattened tips for picking up and depositing oil for watches

#P-1826... \$4.00



178... Repair Supplies

SCREWS...

#P-1390... Steel Wood Screws:

- ♦ Flat head, slotted ♦ 1/2" x #2,
- ♦ 100 per pack ...\$3.00 pack

#P-1517.16... Brass Plated

Steel Screw:

- ♦ Flat head, Phillips, ♦ 1/2" x #4,
- ♦ 100 per pack ...\$3.00 pack

#P-1517.22... Steel Wood Screw: ♦ Flat head, slotted ♦ 2" x #8,

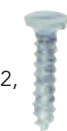
- ♦ 100 per pack ...\$3.00 pack

#P-1517.30... Steel Gong Block Screw: for mounting chime rod brackets

- ♦ Slotted ♦ 5/8" x 10-32 ♦ 25 per pack ...\$2.50 pack

#P-1517.31... Steel Machine Screws: ♦ Round head slotted

- ♦ 1/2" x 10-24, ♦ 25 per pack ...\$2.75 pack



#P-1390



#P-1517.16



#P-1517.30



#P-1517.31



#P-1517.22

FLAT HEAD WOOD SCREWS *Ideal for mounting movements in school and kitchen clocks*

- ♦ 3/8" x #8 ♦ 100 pieces

#P-322... \$8.50



MANTEL CLOCK SCREW ASSORTMENT

- ♦ 100 steel and brass screws
 - ♦ Assorted sizes
- #P-730...\$4.75



BRASS PLATED WOOD SCREWS

- ♦ 3/8" x #2
- ♦ 100 per pack
- #P-180... Round head ...\$5.50 pk.
- #P-181... Flat head ...\$5.50 pk.



OAK FINISHED CLOCK SHELF

- ♦ 18" long x 6-1/4" deep
- ♦ Complete with brass hangers
- #P-174K... \$39.50
- 2+...\$37.50 each



WALNUT FINISHED CLOCK SHELF

- ♦ 18" long x 6-1/4" deep
- ♦ Complete with brass hangers
- #P-174W... \$39.50
- 2+...\$37.50 each

GLASS DOMES... ♦ Dome only without a base

- ♦ High quality glass domes, now in seven versatile sizes.

#P-863 4-1/4" high x 3" dia. \$5.25

#P-708 7" high x 4" dia. \$8.00

#P-1047 8" high x 4-1/2" dia. \$12.50

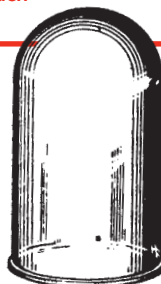
#P-1046 10-1/8" high x 5-1/2" dia. \$23.00

#P-161 11" high x 5-1/2" dia. \$25.00

#P-709 12" high x 8" dia. \$27.50

#P-1370 16" high x 7-1/2" dia. \$145.00

Glass..
Not
plastic
imitations!



Repair Supplies...179



Made exclusively for Merritt's!

WATCH HOLDER... *Based on the design of a circa 1790 tall clock bonnet by Thomas Wildbahn, Pennsylvania clockmaker*

- ♦ Complete with delicately carved rosettes, a turned finial, and gracefully curved arches
- ♦ Ready to hang on your wall, or rest on your mantel
- ♦ Overall size: 8-15/16" high x 6-1/8" wide x 3-5/16" deep
- ♦ Watch not included

#P-1302 ...\$26.50 each 3+ ...\$24.50 each

WATCH DISPLAY DOMES with WOODEN BASES AND GLASS DOMES!

- ♦ Real glass dome (2-3/4" diameter x 4-1/4" high): **NOT plastic!** ♦ 4-3/4" overall height
- ♦ Solid wood bases: no plywood/particle board
- ♦ 4-1/16" dia. solid wood base with a brass watch hanger



#P-1989...
**WALNUT
FINISH**
\$15.00
3+...
\$14.25 ea.
12+...
\$13.75 ea.



#P-1990...
**MAHOGANY
FINISH**
\$15.00
3+...
\$14.25 ea.
12+...
\$13.75 ea.



#P-1992...
**OAK
FINISH**
\$15.00
3+...
\$14.25 ea.
12+...
\$13.75 ea.



DRAWSTRING POUCHES...

Pouches with the feel of suede for watches and jewelry!

- ♦ Made of durable, long lasting material with draw cords

#P-1645... 2" x 3" ...\$1.50 ea.

12+...\$1.00 each

#P-1646... 2-3/4" x 3-1/2" ...\$1.75 ea.

12+...\$1.25 each

#P-1647... 3" x 4" ...\$2.00 ea.

12+...\$1.50 each

LEATHER-LIKE POUCHES

for watches...

Set of three with a velcro closing tab



- ♦ Each is 3-1/2" long x 3-1/2" wide and is lined with soft material to enhance the protective qualities of this pouch

- ♦ Assortments consist of three pouches, one each: brown, black and deep red

#P-1791... \$6.00 Set



CLIP-ON POCKET WATCH CHAIN... *A rich-looking steel watch chain with a goldtone finish* ♦ Spring snap securely attaches to your watch

- ♦ Clip attaches to your vest, pocket or belt
- ♦ 14-1/2" overall length

#P-2138... \$4.25

180...Repair Supplies: Watch

L-G "OPENALL" WATCH CASE WRENCH for Waterproof Cases... *American made!*

Especially designed for Rolex Oyster® cases

- ♦ Will open all Rolex® waterproof cases
- ♦ Six knurled rings are provided. Each will interlock with the edges of genuine Rolex® cases. Diameters supplied: 18.5, 20.2, 22.5, 26.5, 28.3, and 29.5 mm.
- ♦ Sturdy frame will securely fit any bench vise
- ♦ Adjustable case holder, built into the base of the frame, accommodates any size case! **#P-1625... \$99.75**



UNIVERSAL SCREW BACK CASE OPENER

- ♦ Economical, easily adjustable, double post case opener
- ♦ 5" overall length. The handle design allows you to tightly grip and apply the pressure necessary to open your case **#P-1859... \$5.00**



WATERPROOF WATCH CASE OPENER SET...

- ♦ **COMPLETE...** 4 sets of adapter pins enable you to open all screw back watch cases
- ♦ **EASY...** Simply insert the proper adapter pins and adjust to match your case back
- ♦ **CONVENIENT...** 5-5/8" long tool and all pins store in a handy protective wood case

#P-838... Only \$15.00



WATCH CASE OPENER

for snap type watch cases

- ♦ An economical tool with an ergonomically designed plastic grip
- ♦ 3-1/4" long **#P-1861... \$5.50**



STAINLESS STEEL POCKET WATCH CASE OPENER...

- ♦ Convenient size...1-11/16" long
- ♦ Just attach to your key chain **#P-1249... \$1.50 12+...\$1.00**



BERGEON® WATCH CASE OPENER

A blade-style opener with a polished blade.

- ♦ 4-3/8" overall length **#P-1637... \$26.75**



BERGEON® COMBINATION KNIFE/WATCH CASE OPENER

A blade-style opener with a polished knife blade and watch opener blade!

- ♦ Stainless steel blades
- ♦ 3-3/8" length unopened

#P-1643... \$29.50



K & D® BLADE-STYLE CASE OPENER...

- ♦ Tempered steel blade and hardwood non-roll handle **#P-423... \$3.50**



Repair Supplies: Watch...181

WATCH CASE OPENER An adjustable, pocket size watch opener for screw back watch cases

- ♦ 2-3/8" long x 1-5/8" wide

#P-1758... Only \$7.75 each



RUBBER VACUUM OPENER...

- ♦ Opens and closes screw backs and bezels
- ♦ 2" dia. cup fits 0 - 18' size watches

#P-544... \$5.25



WATCH CASE PRESS with Nylon Dies...

A versatile, economical 13 piece set for pressing watch cases together!

- ♦ Dies are in sizes 22 x 21mm, 25 x 24mm, 27 x 26mm, 28 x 27mm, 29 x 29mm, 31 x 30mm, 32 x 31mm, 33 x 32mm, 34 x 33mm, 36 x 35mm, 36 x 37mm, 40 x 39mm

#P-1906... \$31.00 each



SLOT ANVIL A must for watchmakers! Use as a base for staking, riveting, and drilling small parts!

- ♦ Case hardened ♦ Ground flat and smooth
- ♦ 9 graduated holes with one size for stumps
- ♦ 5 milled slots ♦ 1-3/4" long x 1-1/4" wide x 1/2" thick

#P-1778... \$17.75



15 PC. WATCH KEY & CHAIN SET...

A versatile set with 14 different watch keys, sizes #12 to #00 on a ring. If you work with watches as a repairman or hobbyist, this assortment is perfect for bench work or as a set for your key chain!

- ♦ Made of brass and steel #P-1476... \$9.75 ea.
- 3+... \$9.25 ea.

UNIVERSAL WATCH KEY...

A nickel plated key with 5 different sized keys for watches

Available with 2

different sets of sizes:

#P-474A... Sizes #2, 4, 6, 8, and 10

#P-474B... Sizes #3, 5, 7, 9, and 11

Your choice ...\$4.75 each

Save: Any 2+...\$4.25 each



WATCH KEYS...

Available in Sizes:

#00 ---- 2.00mm	#6 ---- 1.40mm
#0 ---- 1.90mm	#7 ---- 1.30mm
#1 ---- 1.80mm	#8 ---- 1.20mm
#2 ---- 1.75mm	#9 ---- 1.15mm
#3 ---- 1.65mm	#10 --- 1.05mm
#4 ---- 1.60mm	#11 --- 1.00mm
#5 ---- 1.50mm	#12 --- .95mm

(Please specify sizes required)

#P-141... Your Choice... \$1.50 each

\$12.00 Dozen (Sizes may be assorted)



BERGEON® WATCH CUSHION... A handy cushion to protect your watch crystal and case when snapping on case backs

- ♦ Padded vinyl cushion with a polished steel bezel
- ♦ 2" diameter x 1/2" high #P-1639... \$35.00

182...Repair Supplies: Watch

BERGEON® PRECISION COMPASS for TESTING MAGNETISM...

If the needle is attracted or repelled, the object is magnetized

- ♦ Jeweled needle on a hardened steel pivot
- ♦ Chromium plated brass bezel ♦ 13mm engraved compass dial

#P-1655... \$49.50

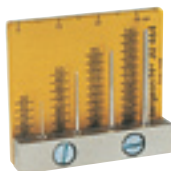


BERGEON® MINUTE HAND GAUGE...

Find the diameter of your minute hand hole instantly... also great for measuring bushings and jewels!!

- ♦ Measures holes from .30 to 2.00mm: the complete range of hour and minute hands for watches
- ♦ Made from polished brass with steel posts that will not wear

#P-1671... \$45.00



- ♦ 3-11/32" wide
- ♦ Durable metal construction

BERGEON® CROWN GAUGE...

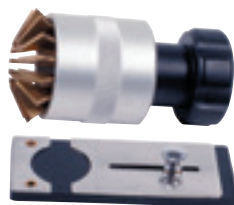
Measure the thread of winding stems and crowns, the diameter of tubes, joints and crowns

#P-1636... \$48.00

CRYSTAL LIFT with PLATE... Removes and inserts crystals without disassembling your watch: effortlessly remove and insert any round, unbreakable crystal!

- ♦ This tool eliminates all rings, wrenches and pliers when removing or installing crystals from 15 to 45mm
- ♦ The brass "fingers" will not mar the crystal or lose strength because they are mechanically regulated with a simple turn in motion
- ♦ Includes a plate for inserting the crystal

#P-1786... \$17.50



REVERSIBLE WATCH MOVEMENT HOLDER...

A Swiss made watch holder for multiple-sized watch cases constructed with guide pins...

- ♦ One side accepts watches up to 18 lignes. Turn it over for smaller watch sizes!
- ♦ Designed with clearance for curved plates and winding stem

#P-1621... \$70.00



BERGEON® WHEEL COUNTERSINK ASSORTMENT... 6 double end wheel countersinks in a wooden case

- ♦ Hardened steel
- ♦ Wheel sizes in millimeters: 1.80/2.10, 2.50/2.80, 3.00/3.30, 3.50/3.80, 4.00/4.30, and 4.50/5.00

#P-1668... \$139.00



BERGEON® COLLET TIGHTENING and REAMING TOOL...

With 5 different notches for tightening all sizes of hairspring collets and for reaming

- ♦ All metal construction

#P-1675... \$129.00



Repair Supplies: Watch...183

BERGEON® COLLET TOOL SET

Assortment of three high quality Bergeon hairspring collet broaches

- ♦ Knurled, color coded aluminum handles with interchangeable points
- ♦ Diameters: .40 mm, .55 mm, and .70 mm

#P-1770... \$52.00

BERGEON® BROACH FOR HAIRSPRING COLLETS...

♦ 3-3/4" long (95 mm): point ranges from .40 mm to .90 mm #P-1642... \$40.00

BERGEON® CANNON PINION REMOVER...

Complete with lever and wooden handle!

- ♦ For large or small watches: adapts to all calibres
- ♦ 5-1/8" overall length

#P-1667... \$79.00

FIBERGLASS

SCRATCH BRUSH...

Removes rust and dirt from metal surfaces and polishes!

- ♦ Fine glass bristle mounted in a plastic holder
- ♦ Bristles can be screw-fed as they wear down
- ♦ Bristles: 1/2" x 3/16"

#P-1644... \$4.75

#P-1644R... Bristle Refill... \$3.00

ALCOHOL LAMP

- ♦ An economical lamp with an adjustable flame: just slide the split sleeve!
- ♦ 3-3/16" faceted bowl
- ♦ 4 oz. fuel capacity
- ♦ 1/4" diameter wick

#P-1930... \$7.75



#P-1930W... Spare Wick \$.50

STAINLESS STEEL SPRING BAR GAUGE...

Are you tired of guessing the length of your missing spring bar?
Do you want to save time replacing broken spring bars?
...We are pleased to offer the answer to your troubles and frustrations!

- ♦ This durable stainless steel gauge has inch measurements (in 1/16" increments from 5/16" to 7/8") on one side and millimeter increments, from 8 to 22mm on the other side
- ♦ Convenient 4-3/4" long size, with easy to read numerals
- ♦ Simply slide the gauge between the lugs of your watch to accurately gauge the length of the spring bar required!

#P-1726... \$4.00

BERGEON® "RODICO" CLEANING COMPOUND

A special watchmaker's compound with multiple uses...

- ♦ Clean balance and train wheel pivots
- ♦ Remove fingerprints and stains from dials, hands, bridges and plates
- ♦ Remove excess oil from watch jewels
- ♦ Remove broken pivots from jewels

#P-1787... 1.3 ounce stick... \$5.75

184...Repair Supplies: Watch



BRACELET HOLDER
Securely holds watch bracelets for pin and screw removal

- ♦ An economical tool with four different grooves of various widths to match common bracelet sizes
- ♦ 2-1/16" long x 2-1/16" wide x 1" high
#P-1858... \$4.50



PIN PUSHER PLIERS
Remove and replace bracelet pins quickly and with a minimum of effort!

- ♦ This convenient, economical tool comes with two pin pushers: 0.8mm and 1.0mm. These versatile sizes allow you to remove and replace bracelet pins without marring the watch case.
- ♦ 6" overall length
- ♦ Instructions and durable case included
#P-1857... \$22.00



SPRING BAR TOOL... Easily remove or insert all types of spring bars

- ♦ Double ended: flat tip on one end, pointed on the other
- ♦ Knurled handle for grip and control
#P-1620... \$3.50



LINK & SPRING BAR REMOVER
A multipurpose tool for removing stubborn watch links and Westar-type spring bars

- ♦ Includes pins of .60, .80, and 1.00 mm to be used with any type of bracelet
- ♦ Screw drive is 1MM for removing screw-type spring bars
#P-1746... \$25.00



BRACELET PIN REMOVER
Easily and accurately punch bracelet pins for removal

- ♦ This convenient, economical tool has an adjustable base to adapt to various bracelet sizes. The screw handle gives you ultimate control over the punch pin.
- ♦ 4-9/16" long x 2" wide
- ♦ Plastic base to avoid case scratching
- ♦ Steel punch shaft
#P-1862... \$6.00



SPRING-DRIVEN BRACELET PIN REMOVER

With two additional springs of varying strength to apply varying pressure!

- ♦ An economical spring-driven tool for driving and removing bracelet pins. Springs can be changed in just seconds!
- ♦ 4-7/8" overall length
#P-1860... \$10.75



40 PC. THIN RIVET PIN ASSORTMENT

- ♦ Includes 14 to 20mm rivet pins: ten (10) of each size sorted in a convenient, partitioned box
- ♦ For diver buckle safety lock watch bands
#P-1835... \$15.00



www.merritts.com

Repair Supplies: Watch...185

COMPARTMENTALIZED PLASTIC BOXES

An easy way to organize and store small parts, tools, other repair supplies and jewelry!

#P-1789...

12 Compartment Box w/snap lock lid

- ♦ Overall size 8-1/4" long x 4-1/4" wide x 1-3/8" deep
- ♦ Each compartment: 2-1/16" long x 1-3/8" wide x 1-1/8" deep ...\$8.00

#P-1790... 18 Compartment Box w/snap lock lid

- ♦ Overall box size 8-1/4" long x 4-1/8" wide x 1-1/8" deep
- ♦ Each compartment 1-1/4" long x 1-1/4" wide x 1" deep ...\$8.00



DUST COVER... For watch parts and other small items

- ♦ The plastic cover and partitioned base allow you to organize and protect small parts during watch disassembly and cleaning
- ♦ Base: 4-1/8" diameter ♦ Cover: 2-1/2" overall height

#P-1592... \$3.00



ALUMINUM CONTAINERS...

With see through glass tops: perfect for storing watch movements or other small items

Now available in three sizes...

- | | | | |
|------------|-----------------|---------------------|--------------------|
| #P-836A... | ♦ (53mm x 24mm) | ... Only \$1.50 ea. | 12+... \$.75 each |
| #P-836B... | ♦ (60mm x 25mm) | ... Only \$1.75 ea. | 12+... \$1.00 each |
| #P-836C... | ♦ (75mm x 25mm) | ... Only \$2.00 ea. | 12+... \$1.25 each |

NON-RADIOACTIVE LUMINOUS PASTE SET...

Finally, a safe and economical way to touch up watch dials and hands with luminous features... also works on luminous alarm clocks!

- ♦ Now sold as a kit containing one color per kit
- ♦ Kit includes one 2 gram container of luminous powder, varnish, varnish thinner, a mixing precision applicator
- ♦ Mix powder and varnish according to directions, apply and allow to dry!

Available in three colors:

#P-1824A...White \$46.00 #P-1824B...Yellow \$46.00 #P-1824C...Green \$46.00



100 PC. ECONOMY SPRING BAR ASSORTMENT...

- ♦ 100 assorted spring bars in sizes 8mm to 20mm
- #P-1724... \$5.00 Assortment 3+ Assortments... \$4.00 each

450 PC. SPRING BAR ASSORTMENT

- ♦ Includes 8 to 24 MM spring bars: Twenty-five (25) each size sorted in a convenient partitioned box
- ♦ Stainless steel, double flange spring bars: 1.3MM thickness

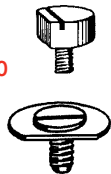
#P-1842... \$14.50



186...Repair Supplies: Watch

WATCH PART ASSORTMENTS...

- #P-1693... Hairspring Studs in bracelet sizes ♦ 1 gross assorted ...\$6.50
- #P-1696... Friction Cap Jewels in bracelet sizes ♦ 1 gross assorted ...\$18.50
- #P-1704... Short 1/2 Head Bracelet Case Screws ♦ 1 gross assorted ...\$16.00
- #P-1706... Plate Bridge Screws (bracelet) ♦ 1 gross assorted ...\$13.50
- #P-1708... Plate Bridge Screws (small head) ♦ 1 gross assorted ...\$16.50
- #P-1709... Slotted Pocket Regulator Spring Screws
♦ 1 gross assorted ...\$27.50



1000 PC. SCREW ASSORTMENT

Assorted sizes for the repair of eye glasses and watches

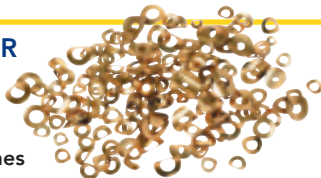
#P-1827... \$13.50

WATCH DIAL WASHER ASSORTMENTS

One gross of assorted dial washers for watches

#P-1781...for Pocket watches
...\$15.75

#P-1782...for Wrist watches ...\$15.75



100 PC. O-RING GASKET KIT for Watches

- ♦ Includes 100 14.5 TO 32 MM A grade round gaskets in three popular sizes:

#P-1840A... .4 mm thickness #P-1840B... .5 mm thickness

#P-1840C... .6 mm thickness **Your choice \$11.00 Asst.**



100 ASSORTED WATER-RESISTANT RUBBER RINGS for Quartz Watches

- ♦ 100 thin rings

#P-1784...

\$4.00 assortment



72 PC. SEIKO TYPE CROWN ASSORTMENT

This assortment includes most popular WATERPROOF crowns in both yellow and white to fit Seiko quartz watches

- ♦ Convenient, partitioned box

- ♦ Includes 2 each in the following sizes:

25M04NA1,	30M82NA1,	30M98NA1,
30M98NS1,	30MA6NA1,	30MA9NN1,
32M29NN1,	32M29NS1,	35E09NN1,
35E17NN1,	35M68NA1,	35M81NN1,
35M82NA1,	35M82NS1,	35M90NS1,
35M94NA1,	35M94NS1,	35M98NS1,
35ME9NN1,	35ME9NS1,	35MR6NS1,
35MR8NS1,	35MS4NF1,	35MU6NF1,
35MV3NN1,	40M58NA1,	40M58NS1,
40MK1NN1,	40MK1NS1,	40ML5NN1,
40ML5NS1,	40ML9NN1,	40ML9NS1,
40MP0NF1,	8M35A7NNG0	8M40A0NNG3

#P-1839... \$65.00

BATTERY SELECTOR DISK...

Match your watch, camera or calculator battery to one of the precut battery templates for quick, easy battery identification!

- ♦ Durable 5-11/16" diameter x 1/16" thick plastic disk with 44 pre-cut templates for batteries ranging from 303 to 399 and CR927 to CR2450N



#P-2020... \$3.50

Repair Supplies: Batteries...187

RENATA® DELUXE WATCH BATTERY STARTER KIT

Everything you need to start a first class battery replacement business!



This kit includes 225 assorted Swiss-made Renata watch batteries. This assortment covers 46 different type watch batteries: most of the battery types that you will need to be able to fit 99% of the quartz watches made today! **Included...**

- ♦ All batteries are contained in a labeled 64-drawer display cabinet
- ♦ GemOro Watch Battery Tester for silver oxide, zinc air, alkaline and lithium batteries
- ♦ Renata instructional video: [Watch Battery Basics](#)
- ♦ Spring Bar Tool ♦ Assorted Spring Bars
- ♦ Adjustable Watch Case Opener: screw back
- ♦ Adjustable Watch Case Opener: snap case type
- ♦ Battery Size Selector Disk ♦ Assorted O-rings/gaskets ♦ Scratch Brush Contact Cleaner
- ♦ Adjustable Watch Case Holder ♦ Nonconducting Plastic Tweezer
- ♦ 2 Small Jeweler's Screwdrivers: Phillips/Standard heads ♦ Renata Store Poster
- ♦ Inventory Control Forms

#P-1865... Complete Deluxe Kit ...\$329.00

HIGH QUALITY SILVER OXIDE WATCH BATTERIES

High quality batteries which fit many watches, small fit-up movements, calculators, etc.



Order #:	Replaces:	Each:	5 for:
	201: use #WB303		
#WB301	...301, 354, SR43S	\$2.00	...\$7.50
#WB309	...309, 323, SR754SW	\$2.00	...\$7.50
	313: use our #WB357		
#WB315	...315, SR715SW	\$1.25	...\$5.00
#WB317	...317, SR516SW	\$1.25	...\$5.00
#WB319	...319, SR527SW	\$1.25	...\$5.00
#WB321	...321, SR616SW	\$1.00	...\$4.00
	323: use our #WB309		
#WB329	...329, 388, SR512SW	\$1.50	...\$6.25
#WB335	...335, SR610SW	\$2.00	...\$7.50
#WB337	...337, SR416SW	\$2.50	...\$11.25
#WB339	...339, SR614SW	\$2.50	...\$11.25
#WB341	...341,	\$2.50	...\$11.25
	343: use our #WB344		
#WB344	...343, 344, SR1136SW	\$2.00	...\$9.25
#WB346	...346, SR712SW	\$2.50	...\$11.25
#WB357	...357, SR44W	\$1.75	...\$7.50
#WB361	...361, SR721W	\$1.00	...\$4.00
#WB362	...362, SR721SW	\$1.00	...\$4.00
#WB364	...364, SR621SW	\$1.00	...\$4.00
#WB365	...365, SR1116W	\$2.25	...\$10.75

Order #:	Replaces:	Each:	5 for:
#WB366	...366, SR1116SW	\$2.00	...\$7.50
#WB370	...370, SR920W	\$1.00	...\$4.00
#WB371	...371, SR920SW	\$1.00	...\$4.00
#WB373	...373, SR916SW	\$1.25	...\$5.00
#WB376	...376, SR626W	\$1.00	...\$4.00
#WB377	...377, SR626SW	\$1.00	...\$4.00
#WB379	...379, SR521SW	\$1.00	...\$4.00
#WB381	...381, SR1120SW	\$1.25	...\$5.00
#WB384	...384, SR41SW	\$1.00	...\$4.00
#WB386	...386, SR43W	\$1.75	...\$7.50
#WB387	...387, 387S	\$4.50	...\$20.00
	388: use our #WB329		
#WB389	...389, SR1130W	\$1.25	...\$5.00
#WB390	...390, SR1130SW	\$1.25	...\$5.00
#WB391	...391, SR1120W	\$1.50	...\$6.25
#WB392	...392, SR41W	\$1.00	...\$4.00
#WB393	...393, SR48W	\$1.75	...\$7.50
#WB394	...394, SR936SW	\$1.50	...\$6.25
#WB395	...395, SR927SW	\$1.00	...\$4.00
#WB396	...396, SR726W	\$1.00	...\$4.00
#WB397	...397, SR726SW	\$1.00	...\$4.00
#WB399	...399, SR927W	\$1.00	...\$4.00

HIGH QUALITY LITHIUM WATCH BATTERIES

Order #:	Replaces:	Each:	5 for:
#WBLCR1025	...CR1025, L-44	\$1.25	...\$5.50
#WBLCR1216	...CR1216, CR/BR1216, L-13	\$1.25	...\$5.50
#WBLCR1220	...CR1220, CR/BR1220	\$1.25	...\$5.50
#WBLCR1225	...CR1225, BR1225, L-09	\$1.25	...\$5.50
#WBLCR1616	...CR/BR1616, L-11	\$1.25	...\$5.50
#WBLCR1620	...CR1620, L-08	\$1.25	...\$5.50

#WBLCR2012	...CR2012, L-42	\$1.45	...\$6.50
#WBLCR2016	...CR2016, L-10	\$1.00	...\$4.00
#WBLCR2025	...CR2025, L-12	\$1.00	...\$4.00
#WBLCR2032	...CR2032, L-14	\$1.00	...\$4.00
#WBLCR2320	...CR2320, L-26	\$1.45	...\$6.50
#WBLCR2325	...CR2325, L-05	\$1.45	...\$6.50
#WBLCR2430	...CR2430, L-20	\$1.45	...\$6.50
#WBLCR2450	...CR2450	\$2.75	...\$12.50
#WBLR43	...LR-43, A03	\$1.00	...\$4.00
#WBLR44	...LR-44, A01	\$1.00	...\$4.00

188...Repair Supplies: Batteries

MODEL "QT 2500" BATTERY AND PULSE WATCH TESTER

Accurately tests silver oxide, mercury, and lithium batteries in seconds as well as the coil

- ♦ The newest advance in watch analyzers: You can easily determine whether the movement is working or if the battery is dead without opening the watch!
- ♦ Requires one 9-volt battery (included)

#P-1528... \$48.00



CELL TESTING "TWEezer"

Simply touch the posts of this "tweezer" to the terminals of any 1.5 volt battery:

- ♦ The imbedded light will glow brightly for a strongly charged battery, dimly for a weak cell, or not at all if your cell is dead!
- ♦ Use with button cells or other standard batteries. ♦ 4-3/4" overall length

#P-1756... Only \$4.00 each



EVEREADY INDUSTRIAL ZERO MERCURY ALKALINE BATTERIES

from Eveready® in three popular sizes!

- #P-1434... AA Size \$1.25 ea. 4 for \$4.00 24+...\$.80 ea.
 #P-1435... C Size \$1.75 ea. 4 for \$6.00 12+...\$1.25 ea.
 #P-1436... D Size \$2.25 ea. 4 for \$8.00 12+...\$1.75 ea.



EVEREADY ENERGIZER® INDUSTRIAL ALKALINE 9-VOLT BATTERY

#P-1779... \$2.50 each 4 for \$9.00



ECONOMY AAA ALKALINE BATTERIES

Long lasting Zero Mercury Alkaline batteries!

#P-1576... Pack of 4: \$3.25 pack 3+... \$3.00 pack



EVEREADY ENERGIZER® "N" SIZE BATTERY

For use in quartz fit-up movements, photographic, and other pieces of electronic equipment.

- ♦ Alkaline ♦ 2 batteries per pack #P-1045...\$4.00 pk.



LONG LIFE BATTERY FOR KUNDO, JUNGHANS AND TRANSISTOR-CONTACT CLOCKS

- ♦ #8 or #9 size: guaranteed to fit Kundo and Junghans clocks!
- ♦ 3-1/8" wide x 3-3/4" high* x 3/4" thick
- * add 1/2" to height to allow for terminal height

#P-1672... Only \$22.50 each

For Kundo, Junghans and Transistor-Contact clocks...



HOROLOVAR BATTERY ADAPTOR

Eliminates the need to purchase special batteries: Just insert two regular "AA" batteries and install the adaptor in your clock.

- ♦ Durable metal construction: 3-1/8" wide x 3-3/4" high* x 3/4" thick
- * add 5/8" to height to allow for terminal height #P-772... \$19.50

Repair Supplies: Watch Movements ...189



MIYOTA/CITIZEN

Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #/	Price each:
1L02	6-3/4 x 8	2.94	3 Hands, Day-Date	120/70/17	WM1L02	\$6.25
1L12	6-3/4 x 8	2.71	3 Hands, Date	120/70/17	WM1L12	\$6.00
1L12(6)	6-3/8 x 8	2.71	3 hands, Date (6)	120/70/17	WM1L12(6)	\$7.25
1L22	6-3/4 x 8	2.15	2 Hands	120/70	WM1L22	\$6.00
1L32	6-3/4 x 8	2.28	3 Hands	120/70/17	WM1L32	\$6.00
1M02	10-1/2	2.94	3 Hands,Day-Date	120/70/17	WM1M02	\$7.50
1M12	10-1/2	2.71	3 Hands,Date	120/70/17	WM1M12	\$6.00
1M12(6)	10-1/2	2.71	3 Hands,Date(6)	120/70/17	WM1M12(6)	\$7.25
1M15	10-1/2	2.71	2 Hands,Date	170/70	WM1M15	\$6.75
1N12	8-3/4	2.58	3 Hands,Date	120/70/17	WM1N12	\$6.75
2005	6-3/4 x 8	4.15	3 Hands,Day-Date	120/70/17	WM2005	\$6.00
2015	6-3/4 x 8	4.15	3 Hands,Date	120/70/17	WM2015	\$5.25
2025	6-3/4 x 8	3.15	2 Hands	120/70	WM2025	\$4.00
2035	6-3/4 x 8	3.15	3 Hands	120/70/17	WM2035	\$4.00
2036HCP120	6-3/4 x 8	3.15	3 Hands	120/70/17	WM2036HCP120	\$4.00
2105	10-1/2	4.15	3 Hands,Day-Date	120/70/17	WM2105	\$7.00
2115	10-1/2	4.15	3 Hands,Date	120/70/17	WM2115	\$6.00
5Y20	5-1/2 x 6-3/4	2.54	2 Hands	100/65	WM5Y20	\$6.50
5Y30	5-1/2 x 6-3/4	2.54	3 Hands	100/65/17	WM5Y30	\$6.50
5R21	3-3/4 x 6	1.90	2 Hands	80/40	WM5R21	\$17.50
5R32	3-3/4 x 6	2.00	3 Hands	100/65/17	WM5R32	\$14.25
6L45	6-3/4 x 8	3.20	2 Hands 6,7 center to sec	120/70/17	WM6L45	\$8.75
6M55	13-1/2	3.50	3 Hands,Day-12,Date	120/70/17	WM6M55	\$6.50
6P27	10-1/2	3.45	3 Hands,3 EYE(DAY,DT,24H)	120/70/17	WM6P27	\$11.25
GM10	10-1/2	2.71	3 Hands,Date	120/70/17	WM.GM10	\$5.50
OS10	13-1/2	4.06	3 Hands,CHRN,MIN,DT,SEC,12HR	120/70/18(27)	WMOS10	\$23.50
OS20	13-1/2	5.10	3 Hands,CHRN,MIN,DT,SEC,24HR	120/70/18(27)	WMOS20	\$23.50
OS60	13-1/2	4.06	3 Hands,CHRN,MIN,DT,1/20	120/70/18(27)	WMOS60	\$23.50



HARLEY/RONDA

Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
505	10-1/2	3.00	3 Hands,Date	120/70/20	WM505	\$7.50
507	11-1/2	3.00	3 Hands,Day-Date	120/70/20	WM507	\$7.75
515	11-1/2	3.00	3 Hands,Date	120/70/20	WM515	\$7.50
515(6)	11-1/2	3.00	3 Hands,Date	120/70/20	WM515(6)	\$7.25
517	11-1/2	3.00	3 Hands,Day-Date	120/70/20	WM517	\$8.00
585	8-3/4	3.00	3 Hands,Date	120/70/20	WM585	\$7.75
703	10-1/2	2.50	3 Hands	120/70/20	WM703	\$9.25
705	10-1/2	2.50	3 Hands,Date	120/70/20	WM705	\$9.75
705(6)	10-1/2	2.50	3 Hands,Date(6)	120/70/20	WM705(6)	\$9.75
713	11-1/2	2.55	3 Hands	120/70/20	WM713	\$9.50
715	11-1/2	2.50	3 Hands,Date	120/70/20	WM715	\$11.00
715(6)	11-1/2	2.50	3 Hands,Date(6)	120/70/20	WM715(6)	\$11.00
732	5-1/2 x 6-3/4	1.95	2 Hands	80/40	WM732	\$18.00
751E	5-1/2 x 6-3/4	2.50	2 Hands	100/55	WM751E	\$15.75
751	5-1/2 x 6-3/4	2.50	2 Hands	120/70	WM751	\$9.00
753	5-1/2 x 6-3/4	2.50	3 Hands	120/70/20	WM753	\$9.00
762	6-3/4 x 8	2.50	2 Hands	120/70	WM762	\$4.50
763	6-3/4 x 8	2.50	3 Hands	120/70/20	WM763	\$4.50
772	7-3/4	2.50	2 Hands	120/70	WM772	\$10.75
775	7-3/4	2.50	3 Hands,Date	120/70/20	WM775	\$11.00
775(6)	7-3/4	2.50	3 Hands,Date(6)	120/70/20	WM775(6)	\$11.00
785	8-3/4	2.50	3 Hands,Date	120/70/20	WM785	\$11.50
785(6)	8-3/4	2.50	3 Hands,Date(6)	120/70/20	WM785(6)	\$11.50
1063	6-3/4 x 8	1.90	3 Hands	120/70/20	WM1063	\$9.00
1064	6-3/4 x 8	1.90	3 Hands,small sec 4.30	120/70/20	WM1064	\$11.50
1069	6-3/4 x 8	2.30	3 Hands,small sec 6.30	120/70/20	WM1069	\$10.75

190...Repair Supplies: Watch Movements

ISA QUARTZ



Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
258	5-1/2 x 6-3/4	2.50	2 Hands	100/55	WM258	\$7.75
268	6-3/4	2.50	2 Hands	100/55	WM268	\$5.25
307/40	10-1/2	3.50	3 Hands, Date-Date	120/70/20	WM307.40	\$6.50
8161/220	11-1/2	4.20	3 EYE, Chrono, Date(4)	150/90/20	WM8161.220	\$28.00
1198/12 (101)	11-1/2	3.25	3 Hands	150/90/12	WM1198.12	\$7.50
1198/32 (103)	11-1/2	3.70	3 Hands, Date	150/90/20	WM1198.32	\$7.50
K62	8-3/4	3.60	3 Hands, Day-Date	120/70/20	WMK62	\$4.50
K63	11-1/2	3.25	3 Hands	150/90/20	WMK63	\$4.50

PULSAR, SHIO JIRI, MORIOKA, TOKEIMI



Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
AL21	6-3/4 x 8	3.08	3 Hands	110/65/20	WAL21	\$4.25
PC10	5-1/2 x 6-3/4	3.15	2 Hands	120/70	WMPC10	\$5.75
PC11	5-1/2 x 6-3/4	3.15	3 Hands	120/70/17	WMPC11	\$5.50
PC21	6-3/4 X 8	2.15	3 Hands	120/70/20	WMPC21	\$4.75
PC22	6-3/4 X 8	4.15	3 Hands, Date	120/70/17	WMPC22	\$5.00
PC33	10-1/2	4.15	3 Hands, Day-Date	120/70/17	WMPC33	\$6.50
VB20	3-3/4 X 6	2.20	2 Hands	90/45	WMVB20	\$17.00
VC10	5-1/2	2.38	2 Hands	120/70	WMVC10	\$8.00
VC11	4-3/4	2.38	3 Hands	120/70/17	WMVC11	\$8.00
VJ22	6 x 8	2.71	3 Hands, Date	110/65/20	WMVJ22	\$7.25
VJ24	6 x 8	2.71	2 Hands, Date	110/65	WMVJ24	\$7.50
VJ34	10-1/2	2.71	2 Hands, Date	110/65	WMVJ34	\$7.50
VX00	4-3/4	2.09	2 Hands	110/65	WMVX00	\$9.50
VX01	4-3/4	2.39	3 Hands	110/65/20	WMVX01	\$9.50
VX3J	10-1/2	3.05	3 Hands, Date, 24Hr Day	110/65/20(21)	WMVX3J	\$14.00
VX10	5-1/2 X 6-3/4	2.19	2 Hands	90/45	WMVX10	\$18.50
VX11	5-1/2 X 6-3/4	2.49	3 Hands	110/65/20	WMVX11	\$7.50
VX12	8-3/4	2.56	3 Hands, Date	110/65/20	WMVX12	\$7.00
VX12(6)	8-3/4	2.56	3 Hands, Date(6)	110/65/20	WMVX12(6)	\$7.50
VX32	10-1/2	2.56	3 Hands, Date	110/65/20	WMVX32	\$5.85
VX32(6)	10-1/2	2.56	3 Hands, Date(6)	110/65/20	WMVX32(6)	\$6.00
VX33	10-1/2	2.92	3 Hands, Day-Date	110/65/20	WMVX33	\$7.50
VX42	11-1/2	2.56	3 Hands, Date	110/65/20	WMVX42	\$6.25
VX42(6)	11-1/2	2.56	3 Hands, Date(6)	110/65/20	WMVX42(6)	\$7.00
VX43	11-1/2	2.92	3 Hands, Day-Date	110/65/20	WMVX43	\$7.50
VX44	11-1/2	3.57	3 Hands, Day-Date	110/65/20	WMVX44	\$6.75
VX50	6-3/4 x 8	2.16	2 Hands	110/65	WMVX50	\$5.50
VX51	6-3/4 x 8	2.30	3 Hands	110/65/20	WMVX51	\$5.75
VX82	6-3/4 x 8	2.75	3 Hands, Date	110/65/20	WMVX82	\$6.00
VX82(6)	6-3/4 x 8	2.75	3 Hands, Date(6)	110/65/20	WMVX82(6)	\$6.50
VX83	6-3/4 x 8	3.11	3 Hands, Day-Date	110/65/20	WMVX83	\$7.50
VX89	6-3/4 x 8	2.75	2 Hands, Date	110/65	WMVX89	\$8.00
Y121	6-3/4 x 8	2.99	3 Hands	110/65/20	WMY121	\$4.25
Y121HCP	6-3/4 x 8	2.99	3 Hands	110/65/20	WMY121HCP	\$4.75
YM62	10-1/2	3.70	3 Hands, Cal & Al, Day-Date	110/65/20	WMY62	\$23.50

FRANCE EBAUCHES



Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
5130	5-1/2 x 6-3/4	2.60	3 Hands	120/70/20	WM5130	\$8.00
6130	6-3/4 x 8	2.60	3 Hands	120/70/20	WM6130	\$8.00

Repair Supplies: Movements/Springs...191



ETA

Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
255.111	11-1/2	1.95	3 Hands, Date	120/70/20	WM255.111	\$52.00
804.114	10-1/2	3.40	3 Hands, Date	120/70/20	WM804.114	\$6.25
805.114(6)	11-1/2	2.40	3 Hands, Date(6)	120/70/20	WM805.114(6)	\$6.00
805.124	11-1/2	3.65	3 Hands, Day-Date	120/70/20	WM805.124	\$7.50
902.105	6-3/4 x 8	2.35	3 Hands	120/70/20	WM902.105	\$7.00
F03-11A(6)	7-3/4	2.50	3 Hands, Date(6)	120/70/20	WMF0311A	\$12.25
G10-711	13-1/4	5.62	3 Eye, Date, Chrono	150/95/25	WMG10.711	\$36.00

MECHANICAL/AUTOMATIC MOVEMENT... FAR EAST ASSEMBLED

Caliber:	Ligne Size:	Thickness:	Features:	Order #	Price each:
2198	11	5.80	3 Hands, 4 Eye (Day, Date, Mth, 24 hr)	WM2198	\$25.50
DG-2813	10-1/4	5.87	Auto, 3 Hands, Date	WM2813	\$12.00

TIMEX

Caliber:	Ligne Size:	Thickness:	Features:	Hands:	Order #	Price each:
M903	10-1/2	4.36	3 Hands, DT/DT	120/70/20	WMM903	\$6.75
M904	13-1/2	3.65	3 Hands, E/L	120/70/20	WMM904	\$12.00
M953	5-1/2	3.56	3 Hands	120/70/20	WMM953	\$8.00

ETA CIRCUITS

Circuit...	Order #	Price each:
256.111	WM256.111	\$19.75

BESTFIT®

White-A-Loy Mainsprings for American Watches...

Your Choice... \$24.75 Each Any 3+... \$21.75 ea.

For ELGIN...

Item #	Size:	Factory #	Dennison		Metric		End
			Width/Strength/Length		Width/	Strength	
JA101	18S	812	.20	2	21.5"	2.90 mm	.22..... D.B.& Hole
JA103	18S	812	.20	1	21.5"	2.90 mm	.23..... D.B.& Hole
JA104	16S	817	.17.5	4.5	21.5"	2.65 mm	.185..... D.B.& Hole
JA105	16S	817	.17.5	3.375	21.5"	2.65 mm	.20..... D.B.& Hole
JA106	16S	817	.17.5	3	21.5"	2.65 mm	.205..... D.B.& Hole
JA107	16S	6164	.20	4	24"	2.90 mm	.19..... D.B.& Hole
JA110	12S	2339/6093	.11	4	20"	2.00 mm	.19..... D.B.& Hole
JA111	12S	2874	.7	4.5	20.25"	1.60 mm	.185..... D.B.& Hole
JA111A	10S	6001	.7.5	4.5	17.5"	1.65 mm	.185..... D.B.& Hole
JA112	6S	824	.10	5	17.5"	1.90 mm	.18..... D.B.& Hole
JA113	0S	6094	.3.5	6.75	14.25"	1.25 mm	.155..... D.B.& Hole
JA115	0&3/0S	2097/6095	.8	8	16.5"	1.70 mm	.14..... D.B.& Hole
JA118	4/0S	4789/6096	.10	10	15"	1.90 mm	.17..... D.B.& Hole
JA120	5/0&6/0S	2890/6098	.3.5	10	11.5"	1.25 mm	.115..... D.B.& Hole
JA122	8/0S	5219/6002	.7.5	11	12"	1.65 mm	.10..... D.B.& Hole
JA124	10/0S	1957/6009	.3.5	9.5	9.75"	1.25 mm	.12..... D.B.& Hole
JA126	15/0S	5550/6003	.4	11	12"	1.27 mm	.10..... D.B.& Hole
JA127	19/0S	6330	.6.5	13.5	11.75"	1.53 mm	.075..... D.B.& Hole
JA128	20/0S	5015/6100	.2	12	8.5"	1.15 mm	.09..... D.B.& Hole
JA130	21/0S	5327/6004	.4	12	9.25"	1.27 mm	.09..... D.B.& Hole
JA131	21/0S	6246	.6.5	14	9.5"	1.53 mm	.07..... D.B.& Hole
JA132	730(15/0)	258730	.5.5	7	11"	1.45 mm	.15..... D.B.& Hole

192...Repair Supplies: Watch Springs

BESTFIT® White-A-Loy Mainsprings for American Watches

Your Choice... \$24.75 Each Any 3+... \$21.75 ea.

For HAMILTON...

Item #	Size:	Factory #	Dennison			Metric		End
			Width/Strength/Length			Width/	Strength	
JA201	18S	15/18013	19.5	3	21.25"	2.85 mm	.21	T
JA204	16S	534B/718050	21	6.5	23.5"	3.00 mm	.155	DB
JA205	16S	318/718043	19.5	3.75	21.25"	2.85 mm	.195	T
JA206	16S	317/718042	19.5	4	21.25"	2.85 mm	.19	T
JA207	16S	317/718041	19.5	5	21.25"	2.85 mm	.18	T
JA208	16S	534/718047	19.5	6.375	20.75"	2.85 mm	.165	DB
JA209	12S	1228/3028/718071	8	5	21.25"	1.70 mm	.18	DB
JA210	10S	917/921/923/634	6	6	17.5"	1.50 mm	.17	MB
JA213	6/OS	1721/1921/718200	5	8.5	10.0"	1.35 mm	.135	T
JA215	6/OS	2321/2521/718201/718202	5	9.5	11.5"	1.40 mm	.125	T
JA217	6/OS	2621/718203	5	9.75	11.0"	1.35 mm	.115	T
JA218	8/OS	7221/718272	5	11.5	13.5"	1.40 mm	.095	T
JA219	8/OS	7221/718271	5	12.5	13.5"	1.40 mm	.085	T
JA220	12/OS	4128/718400	3	9.25	14.5"	1.18 mm	.125	T
JA223	14/OS	5021/718440	4	10	11.25"	1.30 mm	.11	T-BRACE
JA226	18/OS	2721/718501	2	12	11.0"	1.10 mm	.09	T
JA229	20/0&21/OS	2921/718531	1	13	9.0"	1.00 mm	.08	T-BRACE
JA230	20/0&21/OS	36434/717532	1	12	9.0"	1.00 mm	.09	T-BRACE
JA232	22/OS	6221/718601	5	14.5	8.0"	1.40 mm	.07	T-BRACE

For HAMPDEN...

Item #	Size:	Factory #	Dennison			Metric		End
			Width/Strength/Length			Width/	Strength	
JA303	18S	1696	20	3	21.75"	2.90 mm	.21	T
JA304	18S	1696	20	1	21.75"	2.90 mm	.23	T
JA305	16S	2696	20	4	21.75"	2.90 mm	.19	T
JA306	16S	3696	18	3.5	21.5"	2.70 mm	.20	T
JA308	16S	4697	18	5	21.0"	2.70 mm	.18	T-BRACE
JA309	16S	5697	18	6	21.5"	2.70 mm	.165	HOLE
JA311	12S	12696	5	5.5	19.0"	1.40 mm	.175	T
JA312	6S	8696	8.5	6	16.25"	1.75 mm	.165	T
JA313	3/OS	9696	5.5	6.5	13.0"	1.40 mm	.16	T
JA314	8/OS	15696	3.5	8	8.25"	1.25 mm	.14	T

For HOWARD...

Item #	Size:	Factory #	Dennison			Metric		End
			Width/Strength/Length			Width/	Strength	
JA350	18S	55	19	3	23.5"	2.80 mm	.205	HOLE
JA352	16S	328	18	6	21.5"	2.75 mm	.165	HOLE
JA354	12S	552	9	7	19.5"	1.80 mm	.15	HOLE
JA355	12S	553	9	6.5	19"	1.80 mm	.16	T
JA356	10S	796	6	7	16"	1.50 mm	.15	HOOK

For NEW YORK STANDARD...

Item #	Size:	Factory #	Dennison			Metric		End
			Width/Strength/Length			Width/	Strength	
JA502	18S	2190	20	1	20"	2.90 mm	.23	T
JA506	16S	3349/3196	15.5	2	20.5"	2.45 mm	.22	T
JA508	12S	4284	9.25	3.5	18"	1.83 mm	.20	T
JA509	12S	4144	10	2	19"	1.90 mm	.22	T
JA511	10S	7080	6	4	17"	1.50 mm	.19	TONGUE

Repair Supplies: Watch Springs...193

BESTFIT® White-A-Loy Mainsprings for American Watches

Your Choice... \$24.75 Each Any 3+... \$21.75 ea.

For ROCKFORD...

For ROCKFORD...			Dennison			Metric		
Item #	Size:	Factory #	Width/Strength/Length			Width/ Strength		End
JA550	18S	644	20	2	22"	2.90 mm	.22	T
JA551	16S	822	18	3	20.5"	2.70 mm	.205	T

For WALTHAM...

For WALTHAM...			Dennison			Metric		
Item #	Size:	Factory #	Width/Strength/Length			Width/ Strength		End
JA701	18S	2203	20	1.5	21"	2.90 mm	.225	T
JA703	18S	2203	20	2.5	21"	2.90 mm	.215	T
JA704	18S	2222	24	6.5	25"	3.30 mm	.16	HOLE
JA705	18S	2205	21	2	21"	3.00 mm	.22	T
JA708	16S	2208	14	3	21"	2.30 mm	.22	T
JA710	16S	2227/2267	19	5	25"	2.80 mm	.18	HOLE
JA713	16S	2218/2267	19	4	25"	2.80 mm	.19	HOLE
JA715	16S	2247/2268	17	5	19.5"	2.60 mm	.17	DB&HOLE
JA718	14S(COL..R)	2252/2269	7	4	19"	1.62 mm	.17	HOLE
JA720	12S	2224A/2279	12.5	6.375	19.25"	2.15 mm	.16	HOLE
JA721	12S	2224A/2279	12.5	7	19.5"	2.15 mm	.15	HOLE
JA725	6S	2215	10	3	16"	1.90 mm	.21	T
JA726	6S	2217	10	4	16"	1.90 mm	.19	T
JA727	6S	2219	12	7	16"	2.10 mm	.15	HOLE
JA729	0S	2220	6	7	16"	1.50 mm	.15	HOLE
JA731	0S	2228	8	9	15"	1.70 mm	.13	HOLE
JA732	0S	2230/2278	11.75	8	15"	2.05 mm	.14	HOLE
JA733	0S	2230/2278	11.75	9	15"	2.05 mm	.13	HOLE
JA737	6/0S	2235	4	9	13.5"	1.30 mm	.13	HOLE
JA738	6/0S	2226	6	13.5	9.5"	1.50 mm	.12	HOLE
JA743	12S(COL..B)	2237/2269	8	6	19.25"	1.70 mm	.165	HOLE
JA746	7.25L	2238/2274	4	10.375	12"	1.30 mm	.11	HOLE
JA748	6.25L	2239/2272	1.5	11	9.75"	1.05 mm	.10	HOLE
JA750	4L	2240/2260	2	12	8"	1.10 mm	.09	HOLE
JA751	7.5L(750B)	2250	2.5	10.5	11.25"	1.15 mm	.11	DB&HOLE
JA754	8.75L	2242	5	12.5	8.5"	1.40 mm	.085	HOLE
JA756	7.5L	2234/2266	2	11	13"	1.12 mm	.10	HOLE
JA758	6.75L	2244/2261	3	14.2	7.75"	1.20 mm	.065	HOLE
JA759	16S	2246	5.5	6.25	17"	1.50 mm	.165	DB-T
JA760	6/0S	2248/2265	6	11	12"	1.50 mm	.10	DB&HOLE
JA761	6/0S	2248/2265	6	10.375	12"	1.50 mm	.11	DB&HOLE
JA762	6.75 & 7L-675	2249/2263	2.5	14.5	7.5"	1.15 mm	.065	TONGUE
JA763	6.75 & 8L-678	2251/2262	4	13	9.5"	1.30 mm	.08	DB&HOLE
JA764	8.75/L-870	2253	4	12.5	9"	1.30 mm	.085	DB&HOLE

For SETH THOMAS...

For SETH THOMAS...			Dennison			Metric		
Item #	Size:	Factory #	Width/Strength/Length			Width/ Strength		End
JA652	18S	536	24	4	21.5"	3.30 mm	.19	T-BRACE

For SOUTHBEND...

For SOUTHBEND...			Dennison			Metric			
Item #	Size:	Factory #	Width/Strength/Length			Width/ Strength			End
JA600	18S	19528	20.5	3.75	21.5"	2.95 mm	.195	T	
JA602	16S	27528	19	4	21.75"	2.80 mm	.19	T	
JA603	12S	55528	11	5.5	19"	1.98 mm	.175	T	

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BESTFIT® White-A-Loy Mainsprings for American Watches
Your Choice...\$24.75 Each Any 3+... \$21.75 ea.

For ILLINOIS...

For ILLINOIS...			Dennison			Metric		
Item #	Size:	Factory #	Width	Strength	Length	Width	Strength	End
JA404	18S	47303	20	2	21.5"	2.90 mm	.22	T
JA406	16S	47309	21	6.5	27"	3.00 mm	.155	DB
JA410	16S	47315	18	4.5	20.5"	2.70 mm	.185	T-BRACE
JA412	16S	47317	18	3	20.5"	2.70 mm	.21	T-BRACE
JA414	16S	47321	18	5	22.5"	2.70 mm	.18	T-BRACE
JA415	16S (Bunn Spec.)	47326/7	18	5.5	22.5"	2.70 mm	.175	MB
JA416	16S	47331	18	5.5	22.5"	2.70 mm	.175	DB
JA419	16S	47333	20	3.5	20.5"	2.90 mm	.20	T
JA421	16S	47334	16	3	20"	2.50 mm	.21	T
JA422	12S	47337	5	5	18.5"	1.35 mm	.18	MB
JA423	12S	47343	11	6	18.5"	2.00 mm	.17	T-BRACE
JA425	12S	47344	11	5	18.5"	2.00 mm	.18	T-BRACE
JA428	OS & 3/OS	47358	8	9	13"	1.70 mm	.13	T
JA432	6/OS	47364	3	9	10.5"	1.20 mm	.13	T-BRACE
JA434	6/OS	47371	5	10	12.5"	1.40 mm	.11	T-BRACE
JA436	18/OS	47383	3	12	10.5"	1.20 mm	.09	T-BRACE

BESTFIT® WHITE-A-LOY WHITE UNBREAKABLE MAINSPRINGS: AUTOMATIC WITH ATTACHED BRIDLES

Your Choice... \$18.50 Ea. Any 3+... \$18.00 ea.

ITEM#	DENNISON	FOR:	ITEM#	DENNISON	FOR:
WA38	00-.5 X 14 X 7.75	UNIVERSAL 24	WA37	4 X 13.5 X 7.5	Eta 1216
WA2	00 X 14 X 8	LECOULTRE 493	WA47	4 X 13.5 X 10.5	LONGINES 19A
WA3	0-.5 X 11.5 X 12.5	BUREN 1000,1002,1003	WA36	4 X 14 X 8.75	TAVANNES 470
WA28	0-.5 X 15 X 8.5	OMEGA 670	WA90	4 X 14 X 11	KURTH 19.45,19.451
WA24	1 X 9.5 X 12.5	A.SCHILD 1716,1717	WA4	4 X 15 X 8.5	A.SCHILD 1635
WA11	1 X 12 X 13	BUREN 1280	WA1	4.5 X 9.5 X 14.5	ENICAR 1124,1145
WA42	1.5 X 11 X 12.5	MOVADO 395	WA16	4.5 X 10 X 13.5	Eta 2451, 2452
WA39	1.5 X 14 X 9.25	UNIVERSAL 25	WA91	4.5 X 10.375 X 14.1875	MOVADO 431A, 436,
WA62	2 X 8 X 17	LECOULTRE 497	438		
WA65	2 X 9.75 X 12.5	FONT 65	WA13	4.5 X 12 X 9.25	MIDO 917, 917P
WA60	2 X 11.5 X 12.25	OMEGA 28,10,330	WA15	4.5 X 13 X 8.75	A.SCHILD 1250
WA43	2.5 X 9.5 X 12.5	A.SCHILD 1748	WA45	4.5 X 13 X 10	TAVANNES 420
WA5	2.5 X 9.75 X 12.5	PUW 1260,1261	WA92	4.5 X 13.5 X 11.125	ROLEX 520,530
WA51	2.5 X 9.75 X 13.5	MOVADO 531	WA50	4.5 X 14 X 8	FELSA 382
WA6	2.5 X 12 X 9.5	GRUEN 480	WA93	4.5 X 14.25 X 8.5	MOVADO 165
			WA19	5 X 11 X 13.5	PUW 54
WA88	2.5 X 14 X 9.5	ROLEX 420	WA58	5 X 11 X 13.75	MOVADO 220,221,224
WA34	3 X 10.5 X 10.75	DUROWE 562,565	WA21	5 X 11.5 X 12	DUROWE 1162
WA33	3 X 10.5 X 12.5	ROLEX 1030	WA18	5 X 12.5 X 11	LONGINES 22A
WA32	3 X 10.5 X 13	A.SCHILD 1580	WA75	5 X 12.5 X 11	ROLEX 520,530
WA35	3 X 11 X 12	A.SCHILD 1673,1674	WA26	5 X 14 X 7.5	Eta 2425, 2428
WA31	3 X 11 X 14	OMEGA 470	WA7	5 X 14 X 8.5	MIDO 707
WA66	3 X 12 X 13	LECOULTRE 812	WA95	5.5 X 9 X 12.5625	A.SCHILD 1590
WA29	3 X 13 X 14.75	BETTLACH 1575	WA40	5.5 X 10 X 12.5	FELSA 415,690
WA27	3 X 16 X 8.75	OMEGA 455	WA41	5.5 X 10 X 13.75	FELSA 410
WA9	3.5 X 9.5 X 14.25	Eta 2520,2521	WA49	5.5 X 10 X 14.75	Eta 2375
WA80	3.5 X 11 X 10.5	TISSOT 28.1,28-21	WA44	5.5 X 10.5 X 13.5	A.SCHILD 1712
WA85	2.5 X 12 X 13.25	IWC 85	WA96	5.5 X 11 X 13.375	PARRENIN 1901
WA59	4 X 10 X 11.5	KURTH 28,45	WA14	5.5 X 11 X 10.5	A.SCHILD 1336,1361
WA86	4 X 11 X 11.75	MOVADO 115,116,118	WA12	5.5 X 12.5 X 9.5	A.SCHILD 1320,1323
WA8	4 X 11 X 13	SEIKO SPORTOMATIC	WA23	6 X 10.75 X 10.5	Eta 1256
WA87	4 X 12 X 9	LANGENDORF 1033	WA25	6 X 11.5 X 10.75	A.SCHILD 1302,1315
WA48	4 X 13 X 8.25	Eta 2365	WA17	6 X 14.5 X 8.5	A.SCHILD 1477
WA30	4 X 13 X 19	Eta 2250	WA76	6.5 X 10.5 X 12.25	ROLEX 720
WA46	4 X 13 X 10	FELSA 700,705	WA10	7 X 13.5 X 9	A.SCHILD 1171,1173
WA89	4 X 13 X 11.75	UNIVERSAL 215	WA20	7.5 X 11 X 11.5	A.SCHILD 1191,1192
			WA22	8.5 X 12 X 11	A.SCHILD 1298

Repair Supplies: Watch Springs...195

BESTFIT® WHITE-A-LOY WHITE UNBREAKABLE REGULAR MAINSPRINGS...

Your Choice... \$18.50 Each Any 3+... \$18.00 ea.

ITEM#	DENNISON	METRIC	ITEM#	DENNISON	METRIC	ITEM#	DENNISON	METRIC
GL10	00 X 12.5 X 8	.80 X .085	314E	3 X 14 X 9.5	1.20 X .07	565X	5 X 6.5 X 19	1.40 X .16
4011C	0000 X 11 X 8.5	.58 X .10	315A	3 X 15 X 7.5	1.20 X .06	57R	5 X 7 X 18.5	1.40 X .15
011H	0 X 11 X 10.5	.90 X .10	315E	3 X 15 X 9.5	1.20 X .06	58Z	5 X 8 X 22	1.40 X .14
012C	0 X 12 X 8.5	.90 X .09	WV100	3 X 15.5 X 11.5	1.20 X .055	595M	5 X 9.5 X 12.5	1.40 X .12
0595K	5 X 9.75 X 11.5	.95 X .115	359Z	3.5 X 9 X 19.5	1.25 X .13	510E	5 X 10 X 9.5	1.40 X .11
195P	1 X 9.5 X 13.5	1.00 X .12	3595K	3.5 X 9.5 X 11.5	1.25 X .12	510H	5 X 10 X 10.5	1.40 X .11
110H	1 X 10 X 10.5	1.00 X .11	3595R	3.5 X 9.5 X 13	1.25 X .12	510K	5 X 10 X 11.5	1.40 X .11
110P	1 X 10 X 13.5	1.00 X .11	3510E	3.5 X 10 X 9.5	1.25 X .11	510M	5 X 10 X 12.5	1.40 X .11
112E	1 X 12 X 9.5	1.00 X .09	3510J	3.5 X 10 X 11	1.25 X .11	510P	5 X 10 X 13.5	1.40 X .11
112R	1 X 12 X 14	1.00 X .09	3510T	3.5 X 10 X 15.5	1.25 X .11	511E	5 X 11 X 9.5	1.40 X .10
			3511E	3.5 X 11 X 9.5	1.25 X .10	511H	5 X 11 X 10.5	1.40 X .10
			3511H	3.5 X 11 X 10.5	1.25 X .10	511K	5 X 11 X 11.5	1.40 X .10
			3511R	3.5 X 11 X 14	1.25 X .10			
1513A	1.5 X 13 X 7.5	1.05 X .08	3512E	3.5 X 12 X 9.5	1.25 X .09	511P	5 X 11 X 13.5	1.40 X .10
1513H	1.5 X 13 X 10.5	1.05 X .08	3512R	3.5 X 12 X 18.5	1.25 X .09	512C	5 X 12 X 8.5	1.40 X .09
1513S	1.5 X 13.5 X 6.5	1.05 X .075	3513C	3.5 X 13 X 8.5	1.25 X .08	512E	5 X 12 X 9.5	1.40 X .09
24V	2 X 4 X 16	1.10 X .19	3513E	3.5 X 13 X 9.5	1.25 X .08	512H	5 X 12 X 10.5	1.40 X .09
28P	2 X 8 X 13.5	1.10 X .14	3514E	3.5 X 14 X 9.5	1.25 X .07	512K	5 X 12 X 11.5	1.40 X .09
295P	2 X 9.5 X 13	1.10 X .12	3515A	3.5 X 15 X 7.75	1.25 X .06	512M	5 X 12 X 12.5	1.40 X .09
210E	2 X 10 X 9.5	1.10 X .11	46X	4 X 8 X 16.75	1.30 X .17	512P	5 X 12 X 13.5	1.40 X .09
210H	2 X 10 X 10.5	1.10 X .11	47X	4 X 7 X 16.5	1.30 X .15	512S	5 X 12 X 14.5	1.40 X .09
211E	2 X 11 X 9.5	1.10 X .10	48T	4 X 8 X 15	1.30 X .14	513C	5 X 13 X 8.5	1.40 X .08
211H	2 X 11 X 10.5	1.10 X .10	48SZ	4 X 8.5 X 20	1.30 X .135	513E	5 X 13 X 9.5	1.40 X .08
211K	2 X 11 X 11.5	1.10 X .10				513H	5 X 13 X 10.5	1.40 X .08
211M	2 X 11 X 12.5	1.10 X .10	49T	4 X 9 X 15.25	1.30 X .13	514A	5 X 14 X 7.5	1.40 X .07
212A	2 X 12 X 7.5	1.10 X .09	494K	4 X 9.5 X 11.5	1.30 X .12	514C	5 X 14 X 8.5	1.40 X .07
212C	2 X 12 X 8.5	1.10 X .09	494P	4 X 9.5 X 13.75	1.30 X .125	514E	5 X 14 X 9.5	1.40 X .07
212E	2 X 12 X 9.5	1.10 X .09	410E	4 X 10 X 9.5	1.30 X .11	514K	5 X 14 X 11.5	1.40 X .07
213W	2 X 13 X 6.5	1.10 X .08	410H	4 X 10 X 10.5	1.30 X .11	515A	5 X 15 X 7.25	1.40 X .06
213A	2 X 13 X 7.5	1.10 X .08	410K	4 X 10 X 11.5	1.30 X .11	515C	5 X 15 X 8.5	1.40 X .08
213C	2 X 13 X 8.5	1.10 X .08	410M	4 X 10 X 12.5	1.30 X .11	5535R	5.5 X 13.5 X 14.5	1.45 X .20
213E	2 X 13 X 9.5	1.10 X .08	4105P	4 X 10.5 X 13.5	1.30 X .105	5510X	5.5 X 10 X 19	1.45 X .11
214W	2 X 14 X 6.5	1.10 X .07	411C	4 X 11 X 8.5	1.30 X .10	WV98	5.5 X 10 X 20	1.45 X .11
214A	2 X 14 X 7.5	1.10 X .07	411E	4 X 11 X 9.5	1.30 X .10	55105R	5.5 X 10.5 X 14.5	1.45 X .105
214C	2 X 14 X 8.5	1.10 X .07	411H	4 X 11 X 10.5	1.30 X .10	5512E	5.5 X 12 X 9.5	1.45 X .09
258X	2.5 X 8 X 18	1.15 X .14	411K	4 X 11 X 11.5	1.30 X .10	5516W	5.5 X 16 X 6.5	1.45 X .05
2595P	2.5 X 9.5 X 13.5	1.15 X .12	411M	4 X 11 X 12.5	1.30 X .10	65R	6 X 5 X 18.5	1.50 X .18
			411P	4 X 11 X 13.5	1.30 X .10	65V	6 X 6 X 16	1.50 X .17
2510F	2.5 X 10 X 10	1.15 X .11	412C	4 X 12 X 8.5	1.30 X .09	665Y	6 X 6.5 X 17	1.50 X .16
2510H	2.5 X 10 X 10.5	1.15 X .11	412E	4 X 12 X 9.5	1.30 X .09	67P	6 X 7 X 13.5	1.50 X .15
2510P	2.5 X 10 X 13.5	1.15 X .11	412H	4 X 12 X 10.5	1.30 X .09	68N	6 X 8 X 13	1.50 X .14
2511E	2.5 X 11 X 9.5	1.15 X .10	412K	4 X 12 X 11.5	1.30 X .09	68V	6 X 8 X 16	1.50 X .14
2512F	2.5 X 12 X 10	1.15 X .09	413A	4 X 13 X 7.5	1.30 X .08	69M	6 X 9 X 12	1.50 X .13
2514C	2.5 X 14 X 8.5	1.15 X .07	413C	4 X 13 X 8.5	1.30 X .08	69P	6 X 9 X 13.5	1.50 X .13
34Y	3 X 4 X 17	1.20 X .19	413E	4 X 13 X 9.5	1.30 X .08	695H	6 X 9.5 X 10.5	1.50 X .12
36Y	3 X 6 X 17	1.20 X .17	413H	4 X 13 X 10.5	1.30 X .08	695M	6 X 9.5 X 12.5	1.50 X .12
36SZ	3 X 6.5 X 22	1.20 X .16	413M	4 X 13 X 12	1.30 X .08	WV101	6 X 9.5 X 17	1.50 X .12
38T	3 X 8 X 15.5	1.20 X .14	414A	4 X 14 X 7.5	1.30 X .07	610E	6 X 10 X 9.5	1.50 X .11
38Z	3 X 8 X 23.5	1.20 X .14	414C	4 X 14 X 8.5	1.30 X .07	610H	6 X 10 X 10.5	1.50 X .11
39M	3 X 9 X 12	1.20 X .13	414E	4 X 14 X 9.5	1.30 X .07	610K	6 X 10 X 11.5	1.50 X .11
310E	3 X 10 X 9.5	1.20 X .11	414H	4 X 14 X 10.5	1.20 X .07	610M	6 X 10 X 12.5	1.50 X .11
310H	3 X 10 X 10.5	1.20 X .11	415A	4 X 15 X 7	1.30 X .06	610P	6 X 10 X 13.5	1.50 X .11
310K	3 X 10 X 11.5	1.20 X .11	415C	4 X 15 X 8.5	1.30 X .06	611E	6 X 11 X 9.5	1.50 X .10
3105F	3 X 10.5 X 9.75	1.20 X .105	4565T	4.5 X 6.5 X 15	1.35 X .16	611H	6 X 11 X 10.5	1.50 X .10
3105M	3 X 10.5 X 12.5	1.20 X .105	4575V	4.5 X 7.5 X 16	1.35 X .145	611K	6 X 11 X 11.5	1.50 X .10
311C	3 X 11 X 8.5	1.20 X .10	458R	4.5 X 8 X 14.5	1.35 X .14	611M	6 X 11 X 12.5	1.50 X .10
311E	3 X 11 X 9.5	1.20 X .10	459S	4.5 X 9.5 X 12.75	1.35 X .12	611P	6 X 11 X 13.5	1.50 X .10
311H	3 X 11 X 10.5	1.20 X .10	4595P	4.5 X 9.75 X 13.5	1.35 X .12	612C	6 X 12 X 8.5	1.50 X .09
311K	3 X 11 X 11.5	1.20 X .10	4513AA	4.5 X 13 X 7	1.35 X .08	612E	6 X 12 X 9.5	1.50 X .09
311N	3 X 11 X 13	1.20 X .10	4513C	4.5 X 13 X 8.5	1.35 X .08	612H	6 X 12 X 10.5	1.50 X .09
312A	3 X 12 X 7.5	1.20 X .0	4513D	4.5 X 13 X 9	1.35 X .08	612K	6 X 12 X 11.5	1.50 X .09
312B	3 X 12 X 8	1.20 X .09	4513E	4.5 X 13 X 9.5	1.35 X .08	612M	6 X 12 X 12.5	1.50 X .09
312C	3 X 12 X 8.5	1.20 X .09	4513F	4.5 X 13 X 10	1.35 X .08	612P	6 X 12 X 13.5	1.50 X .09
312E	3 X 12 X 9.5	1.20 X .09	4513G	4.5 X 13 X 10.25	1.35 X .08	613C	6 X 13 X 8.5	1.50 X .08
312H	3 X 12 X 10.5	1.20 X .09	4513H	4.5 X 13 X 10.5	1.35 X .08	613E	6 X 13 X 9.5	1.50 X .08
313A	3 X 13 X 7.5	1.20 X .08	4514C	4.5 X 14 X 8.5	1.35 X .07	613H	6 X 13 X 10.5	1.50 X .08
313B	3 X 13 X 8	1.20 X .08	4514H	4.5 X 14 X 10.5	1.35 X .07	613K	6 X 13 X 11.5	1.50 X .08
313C	3 X 13 X 8.5	1.20 X .08	4514K	4.5 X 14 X 11.5	1.35 X .07	614A	6 X 14 X 7.5	1.50 X .07
313E	3 X 13 X 9.5	1.20 X .08	45135AA	4.5 X 14.5 X 7	1.35 X .065	614E	6 X 14 X 9.5	1.50 X .07
313H	3 X 13 X 10.5	1.20 X .08	4515W	4.5 X 15 X 6.25	1.35 X .06	614H	6 X 14 X 10.5	1.50 X .07
314W	3 X 14 X 6.5	1.20 X .07	54V	5 X 4 X 16.5	1.40 X .19	615A	6 X 15 X 7.5	1.50 X .06
314AA	3 X 14 X 7	1.20 X .07	55R	5 X 5 X 18.5	1.40 X .18	615C	6 X 15 X 8.5	1.50 X .06
314A	3 X 14 X 7.5	1.20 X .07						
314C	3 X 14 X 8.5	1.20 X .07						

196...Repair Supplies: Watch Springs

BESTFIT® WHITE-A-LOY WHITE UNBREAKABLE REGULAR MAINSPRINGS...

Your Choice... \$18.50 Each Any 3+... \$18.00 ea.

ITEM#	DENNISON	METRIC	ITEM#	DENNISON	METRIC	ITEM#	DENNISON	METRIC
615E	6 X 15 X 9.5	1.50 X .06	713C	7 X 13 X 8.5	1.60 X .08	910K	9 X 10 X 11.5	1.80 X .11
6511J	6.5 X 11 X 11	1.55 X .10	713D	7 X 13 X 9	1.60 X .08	910N	9 X 10 X 13.75	1.80 X .11
6511S	6.5 X 11 X 14.125	1.55 X .10	713E	7 X 13 X 9.5	1.60 X .08	911K	9 X 11 X 11.5	1.80 X .10
6511S	6.5 X 11.5 X 12.25	1.55 X .095	713H	7 X 13 X 10.5	1.60 X .08	911M	9 X 11 X 12.5	1.80 X .10
6513J	6.5 X 13 X 11	1.55 X .08	713L	7 X 13 X 12	1.60 X .08	911P	9 X 11 X 13.5	1.80 X .10
6514C	6.5 X 14 X 8.5	1.55 X .07	714C	7 X 14 X 8.5	1.60 X .07	912M	9 X 12 X 12.5	1.90 X .09
6514F	6.5 X 14 X 10	1.55 X .07	714E	7 X 14 X 9.5	1.60 X .07	9511H	9.5 X 11 X 10.5	1.85 X .10
75R	7 X 5 X 18.5	1.60 X .18	714H	7 X 14 X 10.5	1.60 X .07	WV97	9.5 X 13.5 X 12.5	1.85 X .075
77V	7 X 7 X 16.5	1.60 X .15	715E	7 X 15 X 9.5	1.60 X .06	915C	9 X 15 X 8.5	1.90 X .06
77Z	7 X 7 X 25.5	1.60 X .15	715H	7 X 15 X 10.5	1.60 X .06	102X	10 X 2 X 19.5	1.90 X .22
78P	7 X 8 X 13.5	1.60 X .14	759Z	7.5 X 9 X 28.5	1.65 X .13	103X	10 X 3 X 19.5	1.90 X .21
785V	7 X 8.5 X 16.75	1.60 X .135	83T	8 X 3 X 15.5	1.70 X .21	104X	10 X 4 X 19.5	1.90 X .19
79Y	7 X 9 X 17	1.60 X .13	835V	8 X 3.5 X 16.25	1.70 X .20	104Z	10 X 4 X 22	1.90 X .19
710H	7 X 10 X 10.5	1.60 X .11	84S	8 X 4 X 14.5	1.70 X .19	105U	10 X 5 X 21	1.90 X .18
710K	7 X 10 X 11.5	1.60 X .11	86R	8 X 6 X 18.5	1.70 X .17	1012L	10 X 12 X 12	1.90 X .09
710M	7 X 10 X 12.5	1.60 X .11	86ST	8 X 6.5 X 15	1.70 X .16	113Z	11 X 3 X 21.5	2.00 X .21
710P	7 X 10 X 13.5	1.60 X .11	WV96	8 X 9 X 15	1.70 X .13	WV99	11 X 14 X 17.5	2.00 X .07
710SJ	7 X 10.5 X 11	1.60 X .105	89P	8 X 9.5 X 13.5	1.70 X .12	115Z	11 X 5 X 20	2.00 X .18
711E	7 X 11 X 9.5	1.60 X .10	810H	8 X 10 X 10.5	1.70 X .11	122R	12 X 2 X 8.5	2.10 X .22
711H	7 X 11 X 10.5	1.60 X .11	810N	8 X 10 X 13	1.70 X .11	126X	12 X 6 X 19.5	2.10 X .17
711K	7 X 11 X 11.5	1.60 X .10	811K	8 X 11 X 11.5	1.70 X .10	1111L	12 X 11 X 12	2.10 X .10
711M	7 X 11 X 12.5	1.60 X .10	811M	8 X 11 X 12.5	1.70 X .10	134Z	13 X 4 X 20	2.20 X .19
711P	7 X 11 X 13.5	1.60 X .10	811P	8 X 11 X 13.5	1.70 X .10	136Z	13 X 6 X 23	2.20 X .17
712C	7 X 12 X 8.5	1.60 X .09	812H	8 X 12 X 10.5	1.70 X .09	143X	14 X 3 X 19.5	2.30 X .21
712E	7 X 12 X 9.5	1.60 X .09	812K	8 X 12 X 11.5	1.70 X .09	164Z	16 X 4 X 20	2.50 X .19
712H	7 X 12 X 10.5	1.60 X .09	812Z	8 X 12 X 28.5	1.70 X .09	165Z	16 X 5 X 20	2.50 X .18
712K	7 X 12 X 11.5	1.60 X .09	8512F	8.5 X 12 X 9.375	1.75 X .09	183Z	18 X 3 X 23.5	2.70 X .21
712M	7 X 12 X 12.5	1.60 X .09	92R	9 X 2 X 8	1.80 X .22	202R	20 X 8 X 18.75	2.90 X .22
			95X	9 X 5 X 19.5	1.80 X .18			

BESTFIT® WHITE-A-LOY WHITE UNBREAKABLE MAINSPRINGS: SPECIAL ENDS

Your Choice... \$18.50 Ea. Any 3+... \$18.00 ea.

ITEM#	DENNISON	FOR:	End:	ITEM#	DENNISON	FOR:	End:
WZ525	0 X 12.12 X 11	.....	ZENITH 525	WC1	4.5 X 15 X 9	.....	LECOULTRE 90L
W195	0.5 X 5 X 19.5	.....	IWC 95	W183	5 X 9.5 X 13	.....	IWC 83
W190	0.5 X 14 X 8.5	.....	IWC 99, 92	WT3	5 X 11 X 14	.....	WITTTNAUER 7TN
WC4	1.5 X 10.5 X 13.5	.....	LECOULTRE 11LO	WL10	5 X 12.25 X 11.5	.....	LONGINES 22L
WL4	1.5 X 12 X 10	.....	LONGINES 8L	WT2	5 X 14 X 8.5	.....	WITTTNAUER 55
W160	2 X 10 X 12.25	.....	IWC 60	W188	5.5 X 9.75 X 14	.....	IWC 88
W162	2 X 12 X 13	.....	IWC 62	WT9	5.5 X 11 X 11.75	.....	WITTTNAUER 11 ES
W194	2 X 14 X 11	.....	IWC 84, 94	665Y	6 X 6.5 X 7	.....	OMEGA 140
W176	2.5 X 9.75 X 11.5	.....	IWC 76, 86	W189	6 X 9.75 X 14	.....	IWC 89
WV194	2.5 X 10 X 15	.....	LECOULTRE 489 TIME	WL7	6 X 11 X 15.5	.....	LONGINES 9LT
WZ88	2.5 X 13 X 12	.....	ZENITH 88	WV402	6 X 10 X 18	.....	VULCAIN 402 W/BRIDLE
W151	2.5 X 15.5 X 7.5	.....	IWC 51	WT7	6 X 11.5 X 13	.....	WITTTNAUER 10T
WT10	3 X 6.75 X 19	.....	WITTTNAUER 17T	WT4	6 X 13 X 11	.....	WITTTNAUER 87
WL11	3 X 11 X 13.5	.....	LONGINES 23M	L100	6 X 15 X 7	.....	LIP 100
WL3	3 X 14 X 10	.....	LONGINES 5L	WZ124	6.5 X 10.5 X 14	.....	ZENITH 12.4
357T	3.5 X 8 X 15.5	.....	EXPARK 40	WT6	7 X 11 X 11.5	.....	WITTTNAUER 10E
END				WL8	7 X 11.5 X 13.5	.....	LONGINES 10L
WT5	3.5 X 11.5 X 10.5	.....	WITTTNAUER 9W	WL6	7 X 11.5 X 14	.....	LONGINES 9L
WC2	4 X 8 X 16.5	.....	LECOULTRE 449	WL9	8.5 X 9.75 X 15	.....	LONGINES 12L
WT8	4 X 11 X 12.75	.....	WITTTNAUER 10TN	WV95	11 X 14 X 15	.....	LECOULTRE 489 ALARM
WC3	4 X 11.5 X 13.5	.....	LECOULTRE 480	L135	13 X 6 X 22.5	.....	LIP R40
431BS	4 X 13 X 8	.....	ERA A-100	WZ193	18.5 X 4 X 21.25	.....	ZENITH 525
WL1	4 X 5 X 7.5		LONGINES 4LL				
4510KS	4.5 X 10 X 11.5		KIROWSKIE A-2000				
WL5	4.5 X 13 X 10		LONGINES 8LN				

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FROM OUR ANTIQUE CLOCK SHOP.. GENUINE ANTIQUE AMERICAN CLOCKS

Distinctly American clocks by various American manufacturers, many examples over 100 years old!

ALL CLOCKS SOLD IN UNRESTORED, "AS IS, AS FOUND" CONDITION

- ✦ Cases are made of wood, unless noted otherwise. Most have an old, uncleaned finish which may include surface blemishes characteristic to one hundred year old clocks.
- ✦ Movements are complete and have unbroken mainsprings. They often require cleaning, oiling, adjustment and possibly repairs to bring them to optimal running condition.
- ✦ We always strive to select clocks that are as close to original as possible. Each clock will be complete with a pendulum and key and other accouterments that are characteristic of that clock. Some examples may have replacement paper dials.

#PCAC10 SHORT DROP SCHOOL CLOCKS

A very popular style wall clock that was found in homes and in commercial buildings during the 19th and early 20th centuries



- ✦ Technically designated a Short Drop Octagon, the clocks of this style were commonly found gracing walls in the many schoolhouses that dotted the American landscape. Hence, the origin of the name *School Clock*.
- ✦ Made by Seth Thomas, Ansonia, Waterbury, Sessions and E.N. Welch
- ✦ Cases are predominately crafted from oak. However, some can be found made from rosewood. Cases are sometimes embossed (a decorative design pressed into the wood) like the example above, right. Clocks can also be found with a grain-painted finish.
 - ✦ Length: 19" to 24"
 - ✦ Dials: 7" to 11" diameter
- ✦ 8-day, key wind, spring-driven, time only movements **...\$195.00 each**

*The clock you receive will not be the exact clock pictured.
It will be of similar style and condition.*

#PCAC40 ... SETH THOMAS ADAMANTINE MANTEL CLOCKS

A variation of the classic Black Mantel Clock: Adamantine cases are made from wood, then covered with a unique celluloid-based veneer. The colors of the celluloid veneer are made to look like cases made of much more costly marble, granite and other minerals. Adamantine colors can be found in all shades of green, brown and black.

- ✦ Made by Seth Thomas
- ✦ Cases average 18-1/2" wide x 11" tall
- ✦ Dials may be embossed brass or paper with a brass overlay
- ✦ Cases are typically adorned with cast metal front/side ornaments and feet
- ✦ 8-day, key wind, spring-driven, time & strike movements **...\$195.00**

*The clock you receive will not be the exact clock pictured.
It will be of similar style and condition.*



198..Antique Clocks

The clock you receive will not be the exact clock pictured. It will be of similar style and condition.

#PCAC80 ... BLACK MANTEL CLOCKS

The classic Black Mantel Clock: made from wood with a black enameled finish

- ♦ The finish is said to have originated as a faux stone finish to compete with, or otherwise emulate, expensive European mantel clocks made from semi-precious stone
- ♦ Made by Sessions, E. Ingraham, Waterbury and Gilbert clock companies
- ♦ Cases average 18" wide x 11" tall
- ♦ Dials may be embossed brass, paper with a brass overlay or paper
- ♦ Cases are typically adorned with cast metal front/side ornaments and feet
- ♦ 8-day, key wind, spring-driven, time & strike movements ...\$145.00



OGE (OG) CLOCK... A rectangular, mid-19th century American clock style that takes its name from the curved, somewhat S-shaped, profile crafted into the front surface of the clock.

- ♦ Made by most American clock companies
- ♦ Ogee clocks are typically made from wood with mahogany or rosewood veneer
- ♦ Movements are weight-driven, time and strike movements
- ♦ Dials are typically painted metal or wood
- ♦ Doors may have mirrored or silk-screened tablets

#PCAC60 1-day Ogee

- ♦ Average: 26" tall
- ♦ 1-day weight-driven movement ...\$145.00

#PCAC70 8-day Ogee

- ♦ Average: 29"-30" tall
- ♦ 8-day weight-driven movement ...\$195.00



TAMBOUR MANTEL CLOCKS

Easily identified by their elongated base and the rounded top, they are sometimes referred to as "hump-backed" clocks.

#PCAC20... ♦ Made by Seth Thomas

- ♦ 8-day, key wind, spring-driven, time and strike movements
- ♦ Case: usually mahogany with a stained or grain painted finish: 18" to 20" wide x approx. 10" tall ...\$125.00



#PCAC30 ...

- ♦ Made by Sessions, Waterbury, Gilbert, New Haven and other American clockmakers
- ♦ 8-day, key wind, spring-driven, time and strike movements
- ♦ Case: usually mahogany with a stained finish: 18" to 20" wide x approx. 10" tall...\$100.00



Antique Clocks..199



#PCAC50 ... ADAMANTINE MANTEL CLOCKS

Small rectangular mantel clocks with Adamantine cases. These clocks are made from wood, then covered with the unique celluloid-based Adamantine veneer, usually in a rich red color which looks very much like a rosewood veneer.

- ♦ Made by Seth Thomas ♦ Average 8"-9" wide x 9"-10" tall
- ♦ 8-day, key wind, spring-driven, time & strike movements

All clocks sold in unrestored, "as is, as found" condition.

...\$145.00

The clock you receive will not be the exact clock pictured. It will be of similar style and condition.



#PCAC90... ANTIQUE AMERICAN KITCHEN CLOCKS

Also known as *Gingerbread* or *Roosterhead* Clocks, most were made circa 1890 to 1910 by the E. Ingraham, New Haven, Sessions, Gilbert, Ansonia, E.N. Welch and Waterbury clock companies

- ♦ Cases are made of oak or walnut with embossed (a decorative design pressed into the wood) or applied and embossed case ornamentation:

Left: Oak with pressed embossing throughout the clock

Center: Oak with applied ornamentation on the top and some pressed ornamentation

Right: Walnut with pressed embossing

- ♦ Each clock is complete with a silkscreened door glass, usually gold or silver in color
- ♦ 8-day, key wind, spring-driven, time & strike movements
- ♦ Some may have replacement paper dials **...\$175.00 each**

All clocks sold in unrestored, "as is, as found" condition. The clock you receive will not be the exact clock pictured. It will be of similar style and condition.



Visit our on-line clock shop at
www.merritts.com

- ♦ Browse through hundreds of American and European clocks, divided into over 25 categories
- ♦ See clocks within hours of their arrival in our shop
- ♦ Listings of antique clock parts and movements
- ♦ Purchase with confidence on-line 24-hours a day
- ♦ See unadvertised seasonal promotions and sales
- ♦ **Have a question or looking for a specific clock?**

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610.689.9541 Ext. 262

Monday through Friday: 8:00 A.M. - 4:30 P.M.

Saturday: 9 A.M. - 2 P.M. Closed Sunday

Largest selection of antique clocks in PA!



200... Late Arrivals

New! MINI QUARTZ "TRIGGER" MOVEMENT

Designed to emit an electronic impulse on the hour to trigger a sound making device

- ♦ A **2-wire** unit that is commonly used in novelty clocks that have the sound of a bird, train or other sound on the hour
- ♦ Compact size: 2-1/8" wide x 2-1/8" high x 5/8" thick
- ♦ Includes two 14" wire leads ♦ Uses one "AA" battery: not included
- ♦ Handshaft: 7/8" long (9/16" of the shaft threaded for dials up to 1/2" thick)

#P-2201... \$13.25



New! HIGH TORQUE MINI QUARTZ MOVEMENTS

with a lifetime guarantee! The same compact size of our regular time-only mini quartz movements with 30% more torque

- ♦ Time only movements with a heavy duty, built-in hanger. Designed so the hanger can be removed if not required.
- ♦ 2-3/16" wide x 2-3/4" high with hanger (2-3/16" high with hanger removed) x 5/8" thick ♦ Requires one (1) AA battery (not included) ♦ Uses standard "I" shaft hands
- ♦ Pulsing sweep second hand ♦ **Manufacturer's lifetime guarantee**

Choose from four handshaft lengths...



#P-2192...

35/64" Handshaft
(14 mm) overall length for
dials up to 1/8" thick
♦ Threaded section: 1/4"
(6 mm long)

#P-2193...

21/32" Handshaft
(17 mm) overall length for
dials up to 1/4" thick
♦ Threaded section: 23/64"
(9 mm long)



#P-2194...

55/64" Handshaft
(22 mm) overall length for
dials up to 3/8" thick
♦ Threaded section: 19/32"
(15 mm long)

#P-2195...

1-1/16" Handshaft
(27 mm) overall length for
dials up to 5/8" thick
♦ Threaded section: 23/32"
(18.5 mm long)



Your choice \$5.75 each 3+... \$5.50 12+... \$5.25

Two new books in Steve Conover's Workshop Series...



The series contains updated material from the **Clockmaker's Newsletter** series arranged by topic and indexed!

Book #4... GRANDFATHER CLOCKS Covers all types of grandfather clocks: from antique English-style bell strike grandfathers to modern examples by Hermle, Urgos, Kieninger, Gebr. Jauch and Erhard Jauch

- ♦ Specifically addresses repairs to pivot and bushings, moon phase and date gear teeth, strike mechanisms and more!
- ♦ GBC binding lays flat on your desk or workbench
- ♦ Acetate protected soft cover, 147 pages **#B-293... \$34.95**



Book #5... TUBULAR BELL CLOCKS Illustrates the problems and procedures unique to the tubular bell clocks that originated in the late 19th century

- ♦ Features German and English tubular bell examples in addition to American-made Herschede clocks
- ♦ Includes movement repair instructions and house call repair tips
- ♦ GBC binding lays flat on your desk or workbench
- ♦ Acetate protected soft cover, 125 pages **#B-294... \$32.95**

Late Arrivals/Black Forest Cuckoos ...201

New! MINI QUARTZ MOVEMENTS with push-on hand mounting

- ◆ Made to snap into molded case backs: 2-7/32" wide x 2-7/32" high x 5/8" thick
- ◆ Built-in hanger molded into the case back: 4 lb. limit
- ◆ Sweep second hand capability
- ◆ Requires one "AA" battery (not included)



#P-2205...
1/2" Handshaft
 (12.7 mm) overall length
 ◆ Threaded section:
 3/16" (4.75 mm long)
 ...\$2.75 each
 3+... \$2.50 each



#P-2206 ...
3/4" Handshaft
 (19.05 mm) overall length
 ◆ Threaded section:
 5/16" (7.94 mm long)
 ...\$2.75 each
 3+... \$2.50 each

ALUMINUM PUSH-ON HANDS with a black finish

- #P-2207...**
- ◆ Minute hand: 2-7/16 " long
 - ◆ Hour hand: 1-11-16" long
- \$1.00 pair**



#P-2208...
 ◆ Minute hand: 3" long
 ◆ Hour hand: 2" long
\$1.00 pair



New! REFILLABLE PEN OILER

- ◆ Economical, easy to use and refill!
- ◆ 5-1/4" long x 1/2" diameter plastic body with a leak resistant screw cap
- ◆ Oil **not** included
- ◆ Fine tip for precision placement

#P-2196... \$4.00

New! TRANSPARENT MINI-QUARTZ MOVEMENTS

Clear movement cases for use with glass, stained glass, plexiglass and other applications where you might wish to have a less conspicuous movement

- ◆ 2-1/8" wide x 2-1/8" high x 5/8" depth
- ◆ Uses standard "I" shaft hands
- ◆ Requires one "AA" battery (not included)



#P-2212...
1/2" Handshaft
 (12.7 mm) overall length
 ◆ Threaded section: 7/32"
 (5.55 mm long)
 ...\$3.25 each
 3+... \$3.00 each



#P-2213...
3/4" Handshaft
 (19.05 mm) overall length
 ◆ Threaded section: 7/16"
 (11.12 mm long)
 ...\$3.25 each
 3+... \$3.00 each



#P-2214...
1-7/32" Handshaft
 (30.95 mm) overall length
 ◆ Threaded section:
 15/16" (23.8 mm long)
 ...\$3.25 each
 3+... \$3.00 each

Anton Schneider Black Forest Cuckoo Clocks®

Traditionally styled Cuckoo with a Quartz Movement

**#Q50-9...
Time Only**

- ◆ **Time only** quartz battery movement with **no cuckoo call** and **no weights**
 (Requires one AA battery: not included)

- ◆ **Antique brown finish**
 - ◆ Plastic hands
 - ◆ 9" long case carved wooden case with a bird and 5 grape leaf motif
- \$Call**



Due to the fluctuation of European product prices, please call so we can give you the lowest possible prices on these top quality cuckoo clocks.

202... Black Forest Cuckoos®



Animated Chimney Sweep Cuckoo

- ♦ 8" long wooden case: Chalet with moving chimney sweep
- ♦ Brown finish with hand-painted flower highlights
- ♦ 1-day weight-driven movement with cuckoo, gong and animated chimney sweeper on the hour and half hour
- ♦ Traditional cast iron pine cone weights
- ♦ Wooden hands ♦ Chime shut-off

#7063-10...\$Call

Animated "Beer Drinker" Cuckoo

- ♦ 9" long wooden case: Chalet with moving beer drinker
- ♦ Brown finish with hand-painted flower highlights
- ♦ Wooden hands
- ♦ 1-day weight-driven movement with cuckoo, gong and animated beer drinker on the hour and half hour
- ♦ Traditional cast iron pine cone weights
- ♦ Chime shut-off #1103-10...\$Call

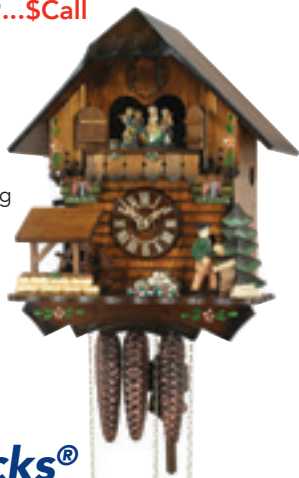


Animated Deer/Rabbit Cuckoo

- ♦ 10" long wooden case: Chalet with moving deer and rabbit
- ♦ Antique brown finish ♦ Wooden hands
- ♦ 1-day weight-driven movement with cuckoo, gong and animated deer and rabbit on the hour and half hour
- ♦ Traditional cast iron pine cone weights
- ♦ Chime shut-off #1303-9...\$Call

Musical Animated Wood Cutter Cuckoo

- ♦ 12" long wooden case: Chalet with moving wood cutter, water wheel and dancers
- ♦ 1-day weight-driven movement with cuckoo, music, gong and animated wood cutter/water wheel/dancers on the hour and half hour
- ♦ Brown finish with hand-painted flower highlights
- ♦ Wooden hands
- ♦ Traditional cast iron pine cone weights
- ♦ Chime shut-off #MT405-10 ...\$Call



Anton Schneider
Black Forest Cuckoo Clocks®
 Quality clocks since 1848

Due to the fluctuation of European product prices, please call so we can give you the lowest possible prices on these top quality cuckoo clocks.

1-day Musical Carved Bird Motif Cuckoos...

#MT6100-9 ♦ *Antique Brown finish*

- ♦ 13" long carved wooden case with a bird and grape leaf motif
- ♦ 1-day weight-driven movement with cuckoo, music and dancers on the hour and half hour ♦ Wooden hands ♦ Chime shut-off
- ♦ Traditional cast iron pine cone weights **...\$Call**

#MT6100-10 ♦ *Brown finish with hand-painted flower highlights*

- ♦ 13" long carved wooden case with a bird and grape leaf motif
- ♦ 1-day weight-driven movement with cuckoo, music and dancers on the hour and half hour ♦ Wooden hands ♦ Chime shut-off
- ♦ Traditional cast iron pine cone weights **...\$Call**

8-day Musical Carved Bird Motif Cuckoos...

#8TMT176-9 ♦ *Antique Brown finish*

- ♦ 16-1/2" long carved wooden case with a bird, nest and grape leaf motif
- ♦ 8-day weight-driven movement with cuckoo, music and dancers on the hour/half hour. The birds on the left and right sides move during the strike sequence. ♦ Wooden hands
- ♦ Chime shut-off ♦ Traditional cast iron pine cone weights **...\$Call**

#8TMT176-10

- ♦ *Brown finish with hand-painted flower highlights*
- ♦ 16-1/2" long carved wooden case with a bird, nest and grape leaf motif
- ♦ 8-day weight-driven movement with cuckoo, music and dancers on the hour/half hour. The birds on the left and right sides move during the strike sequence. ♦ Wooden hands
- ♦ Chime shut-off ♦ Traditional cast iron pine cone weights **...\$Call**

#8TMT176-9

Due to the fluctuation of European product prices, please call so we can give you the lowest possible prices on these top quality cuckoo clocks.



Antique Brown finish

Brown finish with hand-painted flower highlights

#8T90-9...

8-Day 12" Traditionally styled Weight-driven Cuckoo

- ♦ *Antique Brown finish* ♦ 12" long case
- ♦ 8-day movement with wooden hands ♦ Chime shut-off
- ♦ Carved wooden cases with a bird and 5 grape leaf motif
- ♦ Cuckoo call and gong strike on the hour and half-hour
- ♦ Traditional cast iron pine cone weights **...\$Call**

204... Black Forest Cuckoos®

Anton Schneider Quality clocks since 1848

#Q70-9...

- ♦ **Antique brown finish** ♦ Plastic hands
- ♦ 9" long case carved wooden case with a bird/5 grape leaf motif
- ♦ Quartz battery movement with plastic hands (Requires battery: not included) ♦ Chime shut-off
- ♦ Cuckoo call and gong strike on the hour and half-hour
- ♦ Ornamental traditionally styled **nonfunctional plastic** pine cone weights

...\$Call

Traditionally styled

Weight-driven Cuckoos...

- ♦ Carved wooden cases with a bird and 5 grape leaf motif
- ♦ Cuckoo call and gong strike on the hour and half-hour
- ♦ Traditional cast iron pine cone weights

#70-9HZ...

1-day 8-1/2" Traditional Cuckoo

- ♦ **Antique Brown finish** ♦ 8-1/2" long case
- ♦ 1-day movement with plastic hands

...\$Call

#90-9...

1-day 12" Traditional Cuckoo

- ♦ **Antique Brown finish** ♦ 12" long case
- ♦ Chime shut-off
- ♦ 1-day movement with wooden hands

...\$Call

#90-10...

1-day 12" Traditional Cuckoo

- ♦ **Brown finish with hand-painted flower highlights**
- ♦ 1-day movement with wooden hands ♦ 12" long case
- ♦ Chime shut-off

...\$Call

See page 203 for descriptions of the **Antique Brown and Brown with hand-painted flower highlight finishes**



Due to the fluctuation of European product prices, please call so we can give you the lowest possible prices on these top quality cuckoo clocks.

Measurement Conversion Formulas...

Length...

Millimeters to Inches:	Millimeters	multiplied by .039	=	Inches
Inches to Millimeters:	Inches	multiplied by 25.400	=	Millimeters
Centimeters to Inches:	Centimeters	multiplied by .393	=	Inches
Inches to Centimeters:	Inches	multiplied by 2.540	=	Centimeters
Meters to Inches:	Meters	multiplied by 39.370	=	Inches
Inches to Meters:	Inches	multiplied by .025	=	Meters
Meters to Feet:	Meters	multiplied by 3.275	=	Feet
Feet to Meters:	Feet	multiplied by .304	=	Meters
Meters to Yards:	Meters	multiplied by 1.093	=	Yards
Yards to Meters:	Yards	multiplied by .914	=	Meters

Weight...

Grams to Ounces:	Grams	multiplied by .035	=	Ounces
Ounces to Grams:	Ounces	multiplied by 28.349	=	Ounces
Kilograms to Pounds:	Kilograms	multiplied by 2.205	=	Pounds
Pounds to Kilograms:	Pounds	multiplied by .453	=	Kilograms

Reference Tables ...205

Seth Thomas Movement Conversion Chart...

Seth Thomas #...	Factory Number...	Seth Thomas #...	Factory Number...
205-000	140-010, 141-010/11	403-011	351-030/48 .
205-001	141-020/52	403-012	351-030/75
205-002	141-020/21	403-013	1151-053HS/94
205-003	141-020/21	403-014	451-050/85, 451-053/85
205-005	141-020/52	403-015	451-050/94, 114 & 451-053/85, 94
206-000	130-020	403-018	351-020/34
206-001	130-020 & 130-070	403-019	351-020/43
206-002	130-020 & 130-627	403-020	1151-053HS/94
206-004	130-020 & 130-627	403-021	1151-050HS/94, 1151-053/94
206-005	140-010	403-024	351-020/66
206-007	130-627	403-025	1051-020/43
206-010	131-030/35	403-027	351-020/43
206-011	130-020	403-029	451-053/94
206-012	131-030/21	403-030	451-053H/94
206-013	131-030/45	403-031	1151-053/94, 451-053/94
206-014	131-030/55	404-001	351-023K/85
207-000	132-071	404-010	350-023
207-005	132-017	406-000	UW32320
208-000	141-031/32, 140-010, 141-010/11	406-001	UW32319
208-001	140-010 & 141-020/52 banjo	406-007	UW32320
208-002	141-020/21	407-002A	1161-853BS/114
208-005	141-010 & 141-020/52 banjo	409-000	241-030/55
208-006	141-020/32 & 141-023/45	415-001	1161-853HS/114
208-007	141-020/45 & 141-023/45	415-002	1161-053HS/114
208-008	141-031/32	415-003	1161-853HS/94
208-009	141-031/31	415-011	1161-853BS/114
208-010	141-033/38	415-013	1161-853BS/94
208-012	141-030/48	415-015	1161-853BS/94
208-014	141-020/27	415-016	461-853BS/114
208-015	141-030/38	429-703	351-020/43
215-012	131-030/21	429-705	1051-020/43
305-002	1050-020	450-006	132-071
305-004	1050-020	450-007	131-030/35
400-000	350-020 & 351-020/15	450-008	131-030/55
400-001	350-060, 351-020/15 and 351-060/15	450-009	340-020
401-000	341-020/11	450-011	350-060
401-001	350-020, 351-020/15	450-012	1050-020
401-002	351-060/15	451-002	KSU033 (116 cm)
401-003	340-020	451-003	KSU038 (93 cm)
401-004	340-020	451-004	KSU033 (116 cm)
401-005	340-020 & 140-010	451-006	KSU (116 cm)
402-000	351-020/15, 351-020	460-001	RWS (80 cm)
402-003	351-060/85	468-310	350-023/K2 .
402-004	351-020/15	468-314	141-020/52
402-005	350-020	468-318	451-050/114, 341-020K/35
402-006	350-060	468-323	132-071
403-000	350-060	468-325	132-071
403-001	350-060	468-326	J1213 Kieninger
403-002	1050-020	468-328	132-071
403-007	451-050/85	497-212	340-020
403-008	451-053/85 & 451-053/94	497-218	1051-030/34
403-009	1151-053HS/94 and 1151-053HS/114	497-220	1051-031/34
403-010	451-053/94	502-002	1050-020

206... Reference Tables

Fractional and Decimal Inches to Millimeters

Fraction:	Dec.:	Millimeters:	Fraction:	Dec.:	Millimeters:	Fraction:	Dec.:	Millimeters:
1/64"	.0156"	0.3969	7/32"	.2187"	5.5562	27/64"	.4219"	10.7155
1/32"	.0313"	0.7938	15/64"	.2344"	5.9530	7/16"	.4375"	11.1124
3/64"	.0469"	1.1906	1/4"	.2500"	6.3499	29/64"	.4531"	11.5092
1/16"	.0625"	1.5875	17/64"	.2656"	6.7468	15/32"	.4687"	11.9061
5/64"	.0781"	1.9843	9/32"	.2812"	7.1437	31/64"	.4844"	12.3030
3/32"	.0937"	2.3812	19/64"	.2969"	7.5405	1/2"	.5000"	12.6999
7/64"	.1094"	2.7781	5/16"	.3125"	7.9374	17/32"	.5312"	13.4924
1/8"	.1250"	3.1750	21/64"	.3281"	8.3343	35/64"	.5468"	13.8887
9/64"	.1406"	3.5718	11/32"	.3438"	8.7312	9/16"	.5625"	14.2875
5/32"	.1562"	3.9687	23/64"	.3594"	9.1280	37/64"	.5781"	14.6837
11/64"	.1719"	4.3656	3/8"	.3750"	9.5249	19/32"	.5937"	15.0799
3/16"	.1875"	4.7624	25/64"	.3906"	9.9217	39/64"	.6093"	15.4762
13/64"	.2031"	5.1593	13/32"	.4062"	10.3186	5/8"	.625"	15.8750

List of Other Regulated Material for Domestic Transport

(ORM-D) **Revised February 21, 2014**

PLEASE NOTE:

Due to U.S. government regulations the products listed below:

- ♦ **CAN NOT** be shipped through the U.S. Mail (USPS)
- ♦ **CAN NOT** be shipped to destinations outside the United States of America
- ♦ **MAY** be shipped by United Parcel Service (UPS) Ground or FEDEX Ground

CO473A	Gold Test Solution: 10K	#P-1852 ...	Lube Job
CO473B	Gold Test Solution: 14K	#P-1867 ...	Ellanar Jewelry Cleaner Conc.
CO473C	Gold Test Solution: 18K	#P-1892 ...	Power Lube
CO473D	Gold Test Solution: 24K	#P-1957 ...	Zenith Formula 67 Solution
CO473E	Silver Test Solution	#P-1958 ...	Zenith Waterless 224 Rinse
CO473H	Platinum Test Solution	#P-1961 ...	JAX Rust Remover
CO473K	Gold Test Solution Kit	#P-1962 ...	JAX Copper Plate
		#P-1963 ...	JAX Silver Plate
		#P-1966 ...	Zenith 251NA
			Non-Ammoniated Concentrate
#P- 198 ...	Staybrite	#P-1966A ..	Zenith 251
#P- 293 ...	L&R #111 Watch Solution		Ammoniated Concentrate
#P- 297 ...	L&R #3 Watch Rinse	#P-2016	Spray Adhesive
#P- 528 ...	Ellanar "Dip"	#P-2019	L&R X-tra Fine Cleaning Sol.
#P- 584 ...	L&R #112 Waterless Inst. Solution	#P-2026	Zenith Drizbrite
#P- 597 ...	L&R #222 Inst. Cleaning Solution	#P-2027	"Ultimate" Hairspring Cleaner
#P- 599 ...	L&R Clock Cleaning Conc.	#P-2042A	Restor-A-Finish: Mahogany
#P- 600 ...	L&R #677 Clock Cleaning Solution	#P-2042B	Restor-A-Finish: Walnut
#P- 601 ...	L&R ClockLube	#P-2042C	Restor-A-Finish: Cherry
#P- 602 ...	L&R #566 Non-Ammoniated Cleaner	#P-2042D	Restor-A-Finish: Golden Oak
#P- 603 ...	L&R Watch Rinse	#P-2042E	Restor-A-Finish: Neutral
#P- 650 ...	Finish Feeder	#P-2042F	Restor-A-Finish: Maple-Pine
#P- 918 ...	L&R Power No-Fome	#P-2042G	Restor-A-Finish: Dk. Walnut
#P- 919 ...	L&R Instrument Rinse	#P-2042H	Restor-A-Finish: Dk. Oak
#P- 920 ...	Stay Brite	#P-2044A	Howard Paste Wax: Clear
#P-1092 ...	Blazer Butane Refill	#P-2044B	Howard Paste Wax: Golden Oak
#P-1188 ...	JAX: green patina	#P-2044C	Howard Paste Wax: Walnut
#P-1189 ...	JAX: gold	#P-2044D	Howard Paste Wax: Mahogany
#P-1190 ...	JAX: brown	#P-2043	Feed N' Wax
#P-1191 ...	JAX: black	#P-2109	Evapo-Rust
#P-1193 ...	JAX: iron/steel/nickel darkener	#P-2126 ...	Zenith "Radiant" No 77
#P-1567 ...	Astro-Clean Concentrate		
#P-1717 ...	Spray lacquer		
#P-1718 ...	Spray lacquer		
#P-1851 ...	Blow-off Air Can		

Reference Tables...207

Hermle Year-of-Manufacture Stamps...

- ♦ Up to the year 1987: the movement was stamped with the last two digits of the year of manufacture: a movement built in 1980 would be stamped "80"
- ♦ After 1987: letters were used to identify the year of manufacture. The letters and their corresponding years are:

1988: A	1989: B	1990: C	1991: D
1992: E	1993: F	1994: G	1995: H
1996: I	1997: J	1998: K	1999: L
2000: M	2001: N	2002: O	2003: P
2004: Q	2005: R	2006: S	2007: T
2008: U	2009: V	2010: W	2011: X
2012: Y	2013: Z	2014: AA	2015: BB
2016: CC	2017: DD	2018: EE	2019: FF
2020: GG	2021: HH	2022: II	2023: KK

Mainspring Sizes for Hermle® Movements (MM)

Barrel No. Mainspring Dimensions

10.....	17 x .45	x 1490
11.....	17 x .42	x 1500
20.....	17 x .38	x 1200
21.....	17 x .40	x 1200
31.....	12 x .34	x 1150
32.....	12 x .42	x 1100
33.....	12 x .32	x 1150
40.....	17 x .38	x 1100
41.....	21 x .40	x 1550
42.....	17 x .40	x 1100
50.....	17 x .40	x 1200
52.....	17 x .42	x 1200
54.....	21 x .42	x 1900
55.....	21 x .45	x 1800
56.....	17 x .38	x 1200

Kieninger® Weight Requirements (Pounds):

Movement/Type	Time Train	Strike Train	Chime Train
H..... Chain, Westminster	8.8	8.8	8.8
HK..... Chain, Triple Chime	8.8	8.8	11.0
HTU..... Cable, 9-Tube	11.0	8.8	14.5
KK..... Chain, Westminster	7.7	6.6	6.6
KKU..... Chain, Triple Chime	7.7	6.6	7.7
KRU/RSU .. Cable, Triple Chime	8.8	6.6	8.8
PS..... Cable, Bim-bam	8.8	8.4	
PS..... Cable, Gong	8.8	6.9	
RK..... Chain, Westminster	6.6	6.6	6.6
RU..... Chain, Triple Chime	6.6	6.6	7.7
RWS..... Cable	8.8		

Urgos® Weight Requirements (Pounds):

Movement/Type	Time Train	Strike Train	Chime Train
UW 32 Chain, Westminster	4.5	4.5	6.6
UW 32 Chain, Triple Chime	4.5	4.5	7.5
UW 32 Cable, Triple Chime	6.5	6.5	11.0
UW 030 Chain, Triple Chime	7.75	7.75	8.5
UW 030 Chain, Westminster	7.75	7.75	9.5
UW 030 Cable, Triple Chime	7.75	7.75	8.5
UW 030 Cable, Westminster	7.75	7.75	9.5
UW 030 Chain, 5-Tube	7.75	7.75	13.25
UW 030 Cable, 5-Tube	7.75	7.75	13.25
UW 030 Cable, 9-Tube	7.75	7.75	17.5
UW 66 Cable, Triple Chime	4.5	4.5	6.6

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Above: World Time Lighthouse Clock

Germany, Ca. Late 19th century
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Front: Litchfield Mfg. Co., Litchfield, CT Ca. 1850-1854 (*Papier-mache' with mother-of-pearl inlay*)

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